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Farmer Cooperative Statistics 1980



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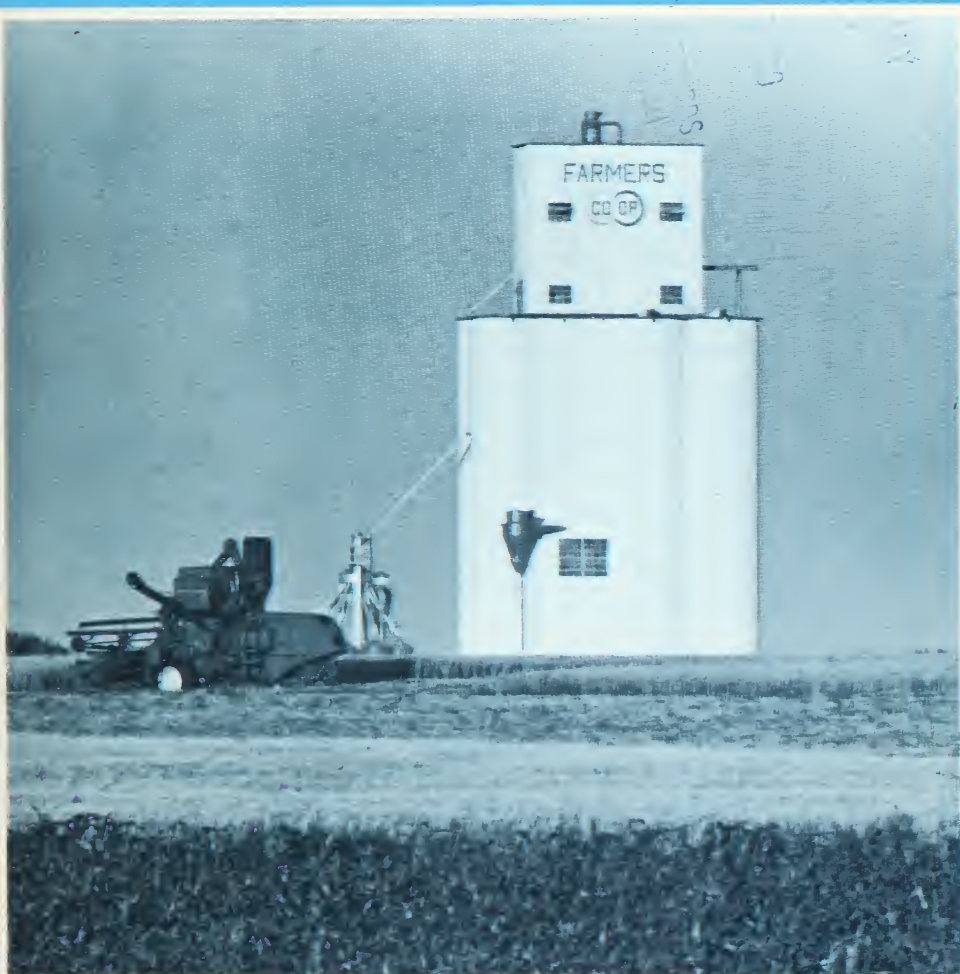
FARMER COOPERATIVES IN THE UNITED STATES
COOPERATIVE INFORMATION REPORT 1
SECTION 27

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Abstract

FARMER COOPERATIVE STATISTICS, 1980 by Ralph M. Richardson, Celestine C. Adams, Katherine C. DeVille, Frances E. Mahan, Diane R. Moore, Elizabeth J. Simmons, and John W. Stutzman, Cooperative Management Division, Agricultural Cooperative Service, U.S. Department of Agriculture.

A survey of U.S. farmer cooperatives for calendar year 1980 showed a continuing upward trend in total business volume but a continuing decline in number of organizations and memberships. Total gross business and total net business volume are reported for 6,293 cooperatives. Business volume, number of cooperatives, and cooperative memberships are reported by commodity for those cooperatives classified as marketing, farm supply, and related service. A 10-year comparison shows changes in business volume, market share, and numbers. Data showing selected activities of other service organizations are also presented.

Key words: cooperatives, statistics, business volume, memberships

Preface

Farmer cooperative statistics are collected annually to provide information on the progress and trends in cooperatives' growth and development. Many people use these statistics for various purposes such as research, technical assistance, education, planning, and public policy. Acquiring, analyzing, and disseminating farmer cooperative statistics are authorized by the Cooperative Marketing Act of 1926.

This report provides aggregate information on the number, membership, and business volume of farmer cooperatives classified by commodity and functional type. Both gross (includes intercooperative business) and net (excludes intercooperative business) dollar volumes of cooperatives are shown.

Past statistics of farmer cooperatives have also been reported by State and by geographic region. Statistics for 1980 are presented on a national basis only. To provide detailed information on farmer cooperatives, data for 1979 are shown where 1980 data are not available.

Data are collected from individual farmer cooperatives by mail survey of organizations identified by Agricultural Cooperative Service (ACS) as meeting the requirements of the ACS definition of a farmer cooperative.

A stratified random sample of a large proportion of farmer cooperatives will be used to reduce the work of collecting and assembling data and to enable more timely publishing of statistics.

ACS depends on the cooperative community's response to its annual survey to develop a detailed and comprehensive set of statistics on farmer cooperatives. The time and effort taken to provide information and the rapidity with which it is furnished are greatly appreciated.

Readers wishing earlier statistics on farmer cooperatives by U.S. dollar volume totals for detailed farm products marketed and farm supplies handled, beginning in 1950-51, may send their requests to: Agricultural Cooperative Service, U.S. Department of Agriculture, 201 14th St., S.W., Room 3300, Auditor's Building, Washington, D.C. 20250.

Highlights

During calendar year 1980, marketing, farm supply, and related service cooperatives showed a continuing upward trend in business volume but a decrease in number of memberships and organizations.

Total gross business volume (including intercooperative business) handled by cooperatives amounted to \$92.5 billion. This was an increase of 19.5 percent from the \$77.4 billion reported in the previous year.

Total net business, excluding business done between cooperatives, amounted to \$66.3 billion, up 17.7 percent from the \$56.3 billion in 1979.

The total number of farmer cooperatives dropped from 6,445 in 1979 to 6,293, a net decrease of 152 associations. Each year new cooperatives are formed and others disappear as they go out of business due to consolidation, merger, acquisition, or unsuccessful operations.

Cooperative memberships of 5,627,196 in 1979 dropped to 5,378,888, a decrease of 4.4 percent.

The gross value of farm products marketed by cooperatives amounted to \$63.7 billion in 1980, an increase of 18.6 percent from the gross volume of \$53.7 billion for 1979. The net value of these farm products, after eliminating duplication resulting from intercooperative business, amounted to \$48.9 billion, a 17.3-percent increase over the \$41.7 billion marketing net for the previous year.

The gross value of farm supplies handled by farmer cooperatives amounted to \$27.7 billion in 1980, increasing 22 percent above the \$22.7 billion in 1979. The net value of these supplies, after intercooperative business was eliminated, amounted to \$16.1 billion, 19.3 percent above the \$13.5 billion in 1979.

Receipts for services related to marketing farm products and handling farm supplies amounted to \$1.2 billion, an increase of 14.8 percent above the 1979 receipts of \$1.1 billion.

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Farmer Cooperative Statistics 1980

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Definition of a Farmer Cooperative

For inclusion in the annual survey, a cooperative is defined as one that meets the following requirements:

(1) Farmers or agricultural producers hold the controlling interest in the cooperative; (2) no member of the cooperative is allowed more than one vote because of the amount of stock or membership capital owned *or* the cooperative does not pay dividends on stock or membership capital in excess of 8 percent a year, or the legal rate in the State, whichever is higher; and (3) the cooperative does not deal in products of nonmembers in an amount greater in value than it handles for its members.

This definition may result in showing a larger number of farmer cooperatives than found in lists or directories of State agencies or cooperative councils because many State cooperative statutes require both one member, one vote, and a limit on dividends on stock or membership capital. Another reason for differences in the count or number of cooperatives is that cooperatives may operate in a specific State for a considerable period of time before they are included in the national survey. This may be due to one of the following reasons: (1) Agricultural Cooperative Service (ACS) may not learn of the existence of the cooperative immediately; (2) the cooperative may not have completed and returned the initial questionnaire; or (3) no notification is received of a cooperative that quits operating.

Readers who wish to make comparisons from year to year in specific commodity groups, therefore, should keep in mind the differences in lists and classifications in State and Federal data. For example, State agencies frequently publish directories that include credit, electric, insurance, and other types of service cooperatives not directly related to marketing farm products or purchasing production supplies.

Classification of Cooperatives

Statistics are presented according to a cooperative's major function, or classification, such as marketing, farm supply, and related service cooperatives. These classifications are defined as follows:

Marketing cooperatives are associations whose primary business is marketing farm products for members—that is, more than 50 percent of total dollar volume was derived from the sale of members' farm products. Marketing cooperatives are further classified according to which major commodity of 13 classifications is predominant (in terms of dollar volume) in each association's business. If a cooperative consistently indicates it is handling a larger volume of a commodity than the one it was originally organized to handle, and which provided the basis for its initial classification, it is reclassified by the commodity currently representing the predominant product in its business volume.

Cooperatives first furnished data by individual commodities handled and services performed in the 1950-51 survey.¹ Cooperatives operating on a multi-State basis were asked to furnish information on memberships and business volumes for the individual States they served. Prior to that time, all memberships and business were credited to the States in which each association maintained its headquarters.

Farm supply cooperatives are those whose farm supply business accounted for more than 50 percent of total dollar volume.

Farm supply cooperatives include those handling all types of farm production supplies and equipment such as feed, seed, fertilizer, petroleum products, farmstead equipment, and building supplies. Some also handle farm home items such as heating oil, lawn and garden equipment, and food.

Major functions of *related service* cooperatives are trucking, storing, drying, or similar services related to marketing or farm supply activities.

¹A detailed discussion of the revisions initiated in statistical methods in 1950-51 was given in *Statistics of Farmers' Marketing, Purchasing, and Service Cooperatives, 1950-51*, U.S. Dept. Agri., Farm Credit Admin., Misc. Rpt. 169, pp. 1-3.

Many cooperatives handle more than one commodity and provide both marketing and farm supply facilities, as well as facilities and equipment to perform related services such as storing, drying, and trucking. These associations are classified according to the predominant commodity or function as indicated by their business volumes.

Other types. Additional data by geographic region and State on the number, participation, and activity of service cooperatives or organizations such as rural electric cooperatives, production credit associations, rural credit unions, and dairy herd improvement associations are summarized.

Organizational Structures

Centralized

Most farmer cooperatives are centralized organizations. Individual farmers make up the membership. These 6,112 centralized cooperatives usually serve a local area or community, a county, or several counties. Most local associations usually perform a limited number of the first steps of marketing. In farm supply associations, practically all sales are at the retail level. A few centralized cooperatives operate over large geographic areas and have members in several States. They often provide more vertically integrated services such as processing farm products or manufacturing feed and fertilizer.

Bargaining associations usually have centralized organizational structures. These associations derive all or a major portion of business volume from negotiating with distributors, processors, and other buyers and sellers over price, quantities, grade, terms of sale, and other factors involved in marketing farm products; only a few bargain for the purchase of farm supplies. While the primary function of such an association is to bring buyers and sellers together to contract for the sale of members' products, many bargaining associations now perform additional functions. For example, dairy bargaining associations at one time generally performed only price negotiation. Now many perform additional functions, such as physically handling a portion of the milk and making spot sales for their patrons. Bargaining associations, like other dairy marketing cooperatives, represent their members at Federal or State milk marketing order hearings.

Federated

Federated cooperatives comprise two or more member associations organized to market farm products, purchase production supplies, or perform bargaining functions. Member associations often operate at points quite distant from federation headquarters. One hundred six federated cooperatives have been identified. Individual farmers are not members of strictly federated associations, rather, they are members of cooperatives that comprise the federation—sometimes called a regional cooperative. Also, some federations are made up of regional cooperatives—often called interregional associations.

Mixed

A small number of cooperatives have both individual farmer members and autonomous cooperative members. Therefore, these associations are a combination of both the centralized and federated structures. Often, these cooperatives serve large geographic areas with members in many States and provide a variety of integrated services. Seventy-five cooperatives have been identified as having a “mixed” structure.

Ten-Year Comparison Of Cooperative Growth

Business volume of farmer cooperatives more than tripled in the decade between fiscal year 1971 and calendar year 1980. As cooperatives declined in number, they grew in size and increased their importance as purchasers of supplies and marketers of products for members.

Business Volume Increases

Net cooperative business, unadjusted for changes in the price level, increased from \$20.6 billion in 1971 to \$66.3 billion in 1980 (table 1).

During this 10-year period, marketing of farm products declined from 77 to 74 percent of annual net business volume; purchases of production supplies rose from 21 to 24 percent; and related services remained about 2 percent.

Table 1—Number and net volume of cooperatives handling farm products, farm supplies, and service receipts, 1971 and 1980¹

Item	1971		1980	
	Cooperatives handling	Net volume	Cooperatives handling	Net volume
	<i>No.</i>	<i>1,000 dol.</i>	<i>No.</i>	<i>1,000 dol.</i>
Products marketed:				
Beans and peas (dry edible)	50	44,973	60	144,929
Cotton and cotton products	528	454,402	471	1,860,151
Dairy products	847	5,450,547	487	13,666,105
Fruits and vegetables	475	1,641,084	401	4,208,739
Grain, soybeans, soybean meal and oil	2,632	3,650,698	2,438	17,789,697
Livestock and livestock products	696	2,240,071	454	5,637,296
Nuts	51	318,848	49	928,771
Poultry products	226	600,696	74	1,125,451
Rice	59	329,733	60	1,019,952
Sugar products	64	656,229	46	1,712,121
Tobacco	28	328,202	34	381,205
Wool and mohair	177	19,252	144	33,268
Miscellaneous	121	67,137	113	403,333
Total farm products	² 5,515	15,801,872	² 4,373	48,911,018
Supplies purchased:				
Building materials	2,202	160,143	2,107	516,568
Containers	973	121,348	658	141,357
Farm chemicals	3,556	199,743	3,697	1,047,882
Farm machinery and equipment	1,424	125,798	1,827	418,188
Feed	4,078	1,321,197	3,613	3,543,627
Fertilizer	4,134	762,142	3,802	3,453,994
Meats and groceries	644	69,925	482	201,974
Petroleum products	2,704	1,000,849	2,921	5,069,515
Seed	3,871	158,340	3,620	494,893
Other supplies	4,663	420,044	4,339	1,246,113
Total farm supplies	² 5,906	4,339,529	² 5,022	16,134,111
Receipts for services:				
Trucking, cotton ginning, storage, grinding, locker plants, miscellaneous	² 5,175	³ 414,299	² 4,612	³ 1,209,225
Total business	² 7,995	20,555,700	² 4,628	66,254,354

¹Preliminary.

²Adjusted for duplication arising from multiple activities performed by many cooperatives.

³Charges for services related to marketing or purchasing but not included in the volume report-
ed for these activities.

⁴Inactive cooperatives are excluded.

Marketing volume increased from \$15.8 billion to \$48.9 billion, supplies purchased from \$4.3 billion to \$16.1 billion, and services provided from \$414 million to \$1.2 billion.

Grain, soybeans, soybean meal and oil, dairy products, fruits and vegetables, and livestock and livestock products increased from 82 percent of all products marketed in 1971 to 84 percent in 1980.

In 1980, grain, soybeans, and soybean meal and oil accounted for a substantially greater proportion of total cooperative business than in 1971. Dairy products and livestock and livestock products accounted for substantially less. Fruits and vegetables showed a moderate decrease. Among lesser commodities, both sugar products and poultry products declined considerably.

In the farm supply group, three items—feed, petroleum products, and fertilizer—were especially important. They accounted for 71 percent of the total production supply business in 1971 and 75 percent in 1980.

Considering changes in the group, however, the proportion of dollar business volume accounted for by feed declined, while the proportion accounted for by fertilizer and petroleum products increased, substantially. Farm chemicals also increased in proportion, while other production supplies showed little change.

Volume Shifts Geographically

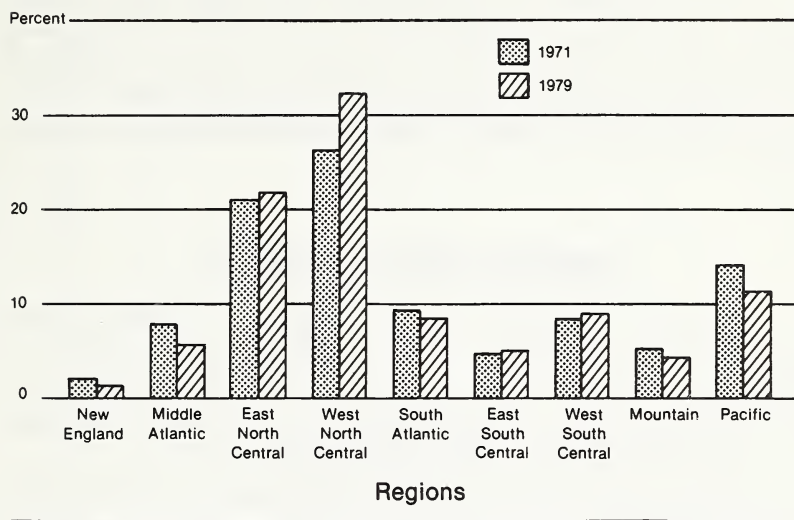
In 1979, cooperatives in the East and West North Central regions² accounted for more than half of total cooperative net volume. Next in order of importance were the Pacific, West South Central, and South Atlantic regions. New England and the Mountain regions had the least net volume of cooperative business. The largest increase occurred in the West North Central region.

A comparison of the 1971 and 1979 periods indicates the proportion of marketing business increased substantially in the North Central region and to a lesser degree in the West South Central and East South Central regions (figure 1). Marketing business decreased in the Pacific region.

²States within each region are identified in tables 4 and 8 for 1979. Comparable data not available for 1980.

Figure 1

Distribution of Farmer Cooperative Net Business Volume by Geographic Region, 1971 and 1979



Greatest declines of supply business occurred in the Middle Atlantic and Pacific regions. The largest increase occurred in the West North Central region.

Market Share Greater

Cooperatives handled about 27 percent of the agricultural products marketed in 1971. This share increased to 31 percent in 1980.³ Market shares for individual commodities higher than the overall average were milk and dairy products, rice, grain and soybeans, and cotton and cotton products.

The proportion of farm supplies handled through cooperatives was 16 percent in 1971. This proportion increased to 20 percent, due mostly to larger volumes of fertilizer, petroleum products, and pesticides moving through cooperatives. These production supplies were handled in greater proportion than the overall average.

³ Agricultural Cooperative Service, unpublished data.

Number of Organizations Declined

The total number of marketing, farm supply, and related service cooperatives declined from 7,995 in 1971 to 6,293 in 1980 (table 2). The number of marketing cooperatives declined from 5,097 to 3,808 and farm supply cooperatives from 2,731 to 2,369. The number of service cooperatives declined from 167 to 116.

Business Size Increases

Measured by annual gross business volume, farmer cooperatives increased in size. Although the majority of cooperatives remain small and primarily serve local areas, a growing minority are seeking regional, or even national, markets as a means of business growth and survival.

The increased size of individual cooperatives comes in part from mergers and consolidations. However, data used were not adjusted for changes in price levels and some size changes are due in part to inflationary effects.

In 1980, more than 75 percent of all farmer cooperatives had business volumes of \$1 million or more (table 3), while the 1976⁴ fiscal period showed slightly more than 58 percent of cooperatives had reached this business volume. The percentage of cooperatives with business volumes of \$10 million or more stood at 16.1 in 1980, compared with 7.7 in 1976.

However, the 100 largest cooperatives (usually operating over large geographic areas) make up an important minority of farmer cooperatives. During 1976, the 100 largest cooperatives accounted for about \$31.5 billion, or 56.4 percent of total gross business volume. By 1980, the 100 largest cooperatives⁵ accounted for nearly \$55.7 billion in business volume, more than 60.1 percent of the total.

⁴Comparable data not available for the 1971 fiscal period.

⁵Based on amount of annual gross sales (includes intercooperative sales) but without regard to size of assets.

Table 2—Number and percentage of predominantly marketing, farm supply, and related service cooperatives, selected years, 1950-51 to 1980

Period ¹	Marketing		Farm supply		Related service		Total	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
1950-51	6,519	64.8	3,283	32.6	262	2.6	10,064	100.0
1955-56	6,284	63.5	3,375	34.1	235	2.4	9,894	100.0
1960-61	5,727	62.5	3,222	35.2	214	2.3	9,163	100.0
1961-62	5,626	62.2	3,206	35.5	207	2.3	9,039	100.0
1962-63	5,502	61.8	3,211	36.0	194	2.2	8,907	100.0
1963-64	5,421	61.3	3,226	36.5	200	2.2	8,847	100.0
1964-65	5,305	61.8	3,085	35.9	193	2.3	8,583	100.0
1965-66	5,194	62.4	2,949	35.4	186	2.2	8,329	100.0
1966-67	5,076	62.5	2,871	35.3	178	2.2	8,125	100.0
1967-68	4,929	62.1	2,835	35.7	176	2.2	7,940	100.0
1968-69	4,773	61.6	2,793	36.1	181	2.3	7,747	100.0
1969-70	4,834	62.1	2,775	35.6	181	2.3	7,790	100.0
1970-71	5,097	63.7	2,731	34.2	167	2.1	7,995	100.0
1971-72	4,864	62.4	2,781	35.7	152	1.9	7,797	100.0
1972-73	4,897	62.3	2,801	35.7	156	2.0	7,854	100.0
1973-74	4,822	62.2	2,778	35.8	155	2.0	7,755	100.0
1974-75	4,770	62.4	2,729	35.7	146	1.9	7,645	100.0
1975-76	4,658	61.8	2,731	36.3	146	1.9	7,535	100.0
1976-77	4,008	59.5	2,593	38.5	135	2.0	6,736	100.0
1978 ²	3,930	59.6	2,550	38.6	120	1.8	6,600	100.0
1979	3,825	59.3	2,507	38.9	113	1.8	6,445	100.0
1980 ³	3,808	60.5	2,369	37.7	116	1.8	6,293	100.0

¹For years prior to 1950-51, see appendix table 5, FCS General Report 128 in libraries.

²Previously, data for farmer cooperatives were reported on a fiscal year basis. Beginning in 1978, data are included for the calendar year. Data for 1978 are estimated.

³Preliminary.

Table 3—Farmer cooperatives grouped by gross business volume, 1980¹

Volume group	Cooperatives		Dollar volume	
	Number	Percent of total	Gross amount ² <i>1,000 dol.</i>	Percent of total
Less than \$100,000.....	663	10.5	9,302	(³)
\$100,000-\$999,999.....	900	14.3	490,195	.5
\$1 million-\$4.9 million.....	2,636	41.9	6,952,837	7.5
\$5 million-\$9.9 million.....	1,080	17.2	7,707,906	8.3
\$10 million-\$24.9 million.....	683	10.9	10,043,875	10.9
\$25 million-\$49.9 million.....	147	2.3	5,042,748	5.5
\$50 million-\$99.9 million.....	69	1.1	5,002,027	5.4
\$100 million-\$199.9 million.....	45	.7	5,917,127	6.4
\$200 million-\$249.9 million.....	17	.3	3,845,711	4.2
\$250 million-\$499.9 million.....	27	.4	9,143,264	9.9
\$500 million-\$999.9 million.....	13	.2	8,743,898	9.4
\$1,000 million and over.....	13	.2	29,620,645	32.0
Total.....	6,293	100.0	92,519,535	100.0

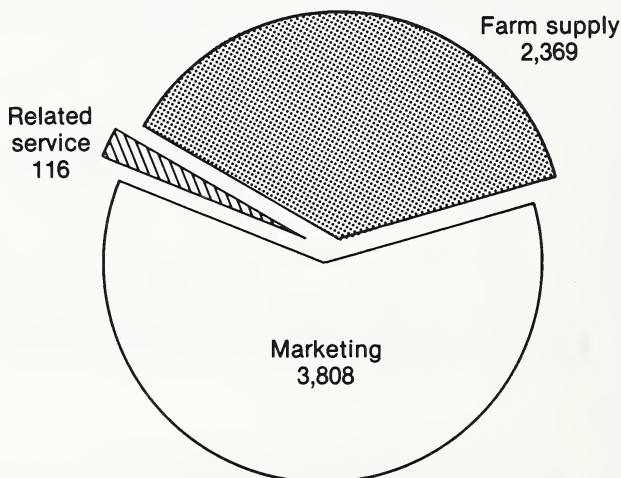
¹Preliminary

²Includes intercooperative volume.

³Less than one-tenth of a percent.

Figure 2

Number of Cooperatives, 1980



Number of Cooperatives

The 1980 survey accounted for 6,293 marketing, farm supply, and related service⁶ cooperatives, compared with 6,445 in 1979.

The decrease of 152 associations was 2.4 percent less than the number in 1979. The decline in number largely reflected a continuing trend involving merger, consolidation, acquisition, or dissolution.

Figure 2 shows that 3,808 of the 6,293 cooperatives primarily marketed farm products, 2,369 handled farm production supplies, and 116 provided related services.

Comparison of 1980 with 1979 data shows that marketing cooperatives increased from 59.3 to 60.5 percent of the total number of cooperatives; farm supply cooperatives decreased from 38.9 to 37.6 percent; and related service cooperatives remained about 1.8 percent.

The percentage changes in table 2 are due to some extent to the reclassification of cooperatives because of changes in the function from which they derive the major portion of their dollar volume. The primary examples are marketing cooperatives whose major business became the sale of farm supplies, or farm supply cooperatives in which marketing took a dominant role.

In table 4, cooperatives are classified according to the business activity that consistently accounted for the largest percent of their dollar volume.

Number of Memberships

Memberships in marketing, farm supply, and related service cooperatives totaled 5,378,888 in 1980, a decrease of 4.4 percent from the 5,627,196 memberships in 1979 (table 5). The long-term trend has been one of decline, reflecting, in part, the decreasing number of farmers in the United States. Many farm-

⁶Related services include trucking, storage, grinding, drying, and similar services affecting the form, quality, or location of farm products and supplies handled by cooperatives. They do not include credit, electric, or telephone services not directly related to marketing or purchasing activities.

Table 4—Cooperative numbers and memberships, by major business activity, geographic region, and State, 1979¹

Geographic region and State	Bean and pea, dry edible		Cotton and cotton products ²		Dairy products		Fruit and vegetable products ²	
	Co-ops with head- quarters in State	Member- ships ³	Co-ops with head- quarters in State	Member- ships ³	Co-ops with head- quarters in State	Member- ships ³	Co-ops with head- quarters in State	Member- ships ³
<i>Number⁴</i>								
Maine.....				1	1	530	7	1,950
New Hampshire.....				2	2	357		
Vermont.....				7	7	2,927		
Massachusetts.....				2	2	675	1	350
Rhode Island.....				(⁵)	(⁵)	75		
Connecticut.....				(⁵)	(⁵)	509	1	10
New England				12	12	5,073	9	2,310
New York.....				682	682	10,202	10	2,283
New Jersey.....				2	2	281	11	1,454
Pennsylvania.....				24	24	10,310	8	1,605
Middle Atlantic				108	108	20,793	29	5,342
Ohio.....				9	9	5,936	8	2,297
Indiana.....				2	2	3,666	1	166
Illinois.....				10	10	4,267	4	85
Michigan.....	2	640		7	7	6,060	19	4,115
Wisconsin.....				99	99	35,448	4	908
East North Central	2	640		127	127	55,377	36	7,571
Minnesota.....				111	111	34,640	1	146
Iowa.....				17	17	9,985	1	14
Missouri.....			(⁵)	4	4	3,790	1	64
North Dakota.....				6	6	2,161	2	206
South Dakota.....	(⁵)	1		4	4	2,476		
Nebraska.....				2	2	2,617		
Kansas.....	(⁵)	1		2	2	2,036	1	26
West North Central	(⁵)		(⁵)	20	146	57,705	6	456

Delaware.....	(5)			142	1	1,351
Maryland.....	2			1,472	2	420
Virginia.....	4	15		1,574	5	99
West Virginia.....	2			487	(5)	15
North Carolina.....	1	900		601	9	2,417
South Carolina.....	1	636		116	5	210
Georgia.....				810	3	185
Florida.....				408	49	3,763
South Atlantic				5,610	74	8,460
Kentucky.....	2	1,551		3,231	1	431
Tennessee.....	(5)	51		1,715	3	889
Alabama.....	7	268		561	3	1,150
Mississippi.....	641	4,111		822		
East South Central				6,329	7	2,470
Arkansas.....	22	1,502		723	8	1,448
Louisiana.....	7	1,285		915	4	271
Oklahoma.....	43	14,030		970		
Texas.....	243	70,217		2,010	6	1,251
West South Central				4,618	18	2,970
Montana.....	(5)		1	805	2	231
Idaho.....	1		907	1,559	1	1,631
Wyoming.....	1		1,196	65		
Colorado.....	4		631	609	613	1,230
New Mexico.....	19	3,709		178	2	42
Arizona.....	5	1,282		826	11	2,105
Utah.....	(5)			58	3	127
Nevada.....	24	7				
Mountain				4,100	32	5,366
Washington.....		2,735		1,362	634	7,654
Oregon.....				1,258	13	1,993
California.....	5	1,149		1,284	115	25,485
Pacific				3,904	162	35,132
Subtotal.....	13	4,525		163,509	373	70,077
Alaska.....				18		
Hawaii.....				22		
Foreign					8	486
United States	13	4,525		163,549	(5)	46
					381	70,609

See end of table for footnote references.

Table 4—Cooperative numbers and memberships, by major business activity, geographic region, and State, 1979¹—Continued

Geographic region and State	Grain ⁷		Livestock ²		Nut ⁸		Poultry and poultry products	
	Co-ops with head- quarters in State	Member- ships ³	Co-ops with head- quarters in State	Member- ships ³	Co-ops with head- quarters in State	Member- ships ³	Co-ops with head- quarters in State	Member- ships ³
	<i>Number⁴</i>							
Maine							1	30
New Hampshire							1	2
Vermont							(⁵)	2
Massachusetts				170			1	435
Rhode Island							(⁵)	2
Connecticut			(⁵)	1			(⁵)	9
New England			1	171			3	480
New York			4	37,853			2	42
New Jersey			2	1,962			(⁵)	8
Pennsylvania			9	4,033			1	133
Middle Atlantic			15	43,848			3	183
Ohio	89	63,231	6	36,154			1	10
Indiana	43	124,772	3	30,341			1	5
Illinois	158	92,313	5	45,353				
Michigan	22	25,794	7	15,739				
Wisconsin	1	2,125	69	36,618				
East North Central	313	308,235	90	164,205			2	15
Minnesota	204	139,745	145	98,102			3	704
Iowa	221	122,541	9	20,287				
Missouri	22	20,100	68	19,895			(⁵)	10
North Dakota	259	95,669	20	12,424				
South Dakota	127	70,722	•3	13,791			(⁵)	1
Nebraska	160	92,881	5	6,152			1	17
Kansas	195	159,064	2	3,032			(⁵)	10
West North Central	1,188	700,722	192	173,683			4	742

Table 4—Cooperative numbers and memberships, by major business activity, geographic region, and State, 1979¹—Continued

Geographic region and State	Rice ²			Sugar Products ⁹			Tobacco		Wool and mohair	
	Co-ops with head- quarters in State	Member- ships ³	Co-ops with head- quarters in State	Co-ops with head- quarters in State	Member- ships ¹⁰	Co-ops with head- quarters in State	Member- ships ³	Co-ops with head- quarters in State	Member- ships ³	Co-ops with head- quarters in State
<i>Number⁴</i>										
Maine.....										
New Hampshire								1	1,000	
Vermont								1	(11)	
Massachusetts.....										
Rhode Island										
Connecticut										
New England										
New York								2	1,000	
New Jersey								5	729	
Pennsylvania.....								1	300	
Middle Atlantic								18	3,236	
Ohio								24	4,265	
Indiana								1	5,500	
Illinois								1	111	
Michigan								(5)	1,500	
Wisconsin								1	2,291	
East North Central								3	9,402	
Minnesota								3	6,048	
Iowa								1	6,693	
Missouri								(5)	250	
North Dakota								1	23	
South Dakota								2	5,050	
Nebraska.....								(5)	3,660	
Kansas.....								(5)	1,200	
West North Central								7	22,924	

Table 4—Cooperative numbers and memberships, by major business activity, geographic region, and State, 1979¹—Continued

Geographic region and State	Miscellaneous marketing ¹²		Total marketing			Farm supply		Related service ¹³		Total
	Co-ops with head-quarters in State	Member-ships ³	Co-ops with head-quarters in State	Member-ships ³	Co-ops with head-quarters in State	Member-ships ³	Co-ops with head-quarters in State	Member-ships ³	Co-ops with head-quarters in State	
Maine.....			<i>Number⁴</i>							
New Hampshire			9	2,510	2	6,074			11	8,584
Vermont			4	1,359	(5)	1,718			4	3,077
Massachusetts.....			7	2,929	1	4,325			9	7,276
Rhode Island			7	2,580	6	7,891			14	10,523
Connecticut			(5)	77	(5)	720			1	827
New England			1	1,599	3	3,269			5	4,906
New York			28	11,054	12	23,997			44	35,193
New Jersey	1	30	104	51,139	134	91,242			241	143,558
Pennsylvania.....	1	40	17	4,045	7	8,965			26	13,083
Middle Atlantic	2	70	60	19,317	26	53,533			89	72,994
Ohio	1	11	117	121,652	66	61,573			356	229,635
Indiana	1	11	51	167,886	46	130,220			186	183,659
Illinois	2	112	180	142,243	105	165,216			98	301,521
Michigan	4	220	61	54,083	60	46,298			292	311,663
Wisconsin	1	12	177	79,366	219	268,387			124	100,459
East North Central	9	366	586	565,230	496	671,694			410	347,985
Minnesota	2	197	471	281,109	260	268,100			1,110	1,245,287
Iowa	1	485	251	160,057	134	162,392			741	551,666
Missouri			35	47,866	92	183,377			387	322,759
North Dakota			289	111,480	140	67,745			129	231,869
South Dakota	1	48	137	92,153	106	77,020			431	179,225
Nebraska	2	115	172	106,527	115	117,837			244	169,217
Kansas.....	(5)	2	200	165,627	46	41,673			290	224,375
West North Central	6	847	1,555	964,819	893	918,144			2,468	1,886,411

Delaware.....	1	1,495	4	9,005	5	10,500
Maryland.....	5	6,055	22	40,008	31	46,374
Virginia.....	53	36,329	56	139,169	110	175,512
West Virginia.....	34	10,000	23	60,335	57	70,335
North Carolina.....	26	85,438	4	49,991	34	135,719
South Carolina.....	11	25,880	10	42,570	21	68,450
Georgia.....	12	49,578	81	105,444	93	155,022
Florida.....	60	14,620	17	32,641	80	62,369
South Atlantic	202	229,395	217	479,163	431	724,281
Kentucky.....	25	100,466	48	151,806	73	252,272
Tennessee.....	18	75,202	84	77,755	102	152,957
Alabama.....	27	33,641	84	80,258	114	114,526
Mississippi.....	1	329	70	69,701	127	123,579
East South Central	2	470	286	379,520	416	643,334
Arkansas.....	1	629	654	53,718	120	100,816
Louisiana.....	47	6,529	40	11,627	92	18,339
Oklahoma.....	125	79,564	20	16,700	146	96,923
Texas.....	1	21	67	27,101	411	140,914
West South Central	2	650	181	109,146	769	356,992
Montana.....	74	24,994	69	40,722	143	65,716
Idaho.....	1	38	18	20,819	62	43,461
Wyoming.....	14	3,212	9	4,326	23	7,538
Colorado.....	51	22,296	32	22,556	84	44,857
New Mexico.....	(5)	1	2	94,164	5	5,432
Arizona.....	19	4,654	11	7,543	21	98,818
Utah.....	22	14,280	(5)	20	33	21,823
Nevada.....	4	136	141	190,150	4	156
Mountain	250	97,346	2	305	393	287,801
Washington.....	4	155	53	60,483	129	81,661
Oregon.....	1	30	22	54,295	60	62,308
California.....	3	1,048	33	17,633	245	70,340
Pacific	8	1,233	108	132,411	434	214,309
Subtotal.....	33	4,396	2,501	3,057,965	6,421	5,623,243
Alaska.....	1	18	6	2,054	1	18
Hawaii.....	3	646	(5)	1	23	3,686
Foreign.....					(5)	249
United States	36	5,042	2,507	3,060,020	6,445	5,627,196

See next page for footnote references.

ers were members of more than one cooperative and each membership was counted. Total membership contains duplication that cannot be eliminated with current reporting methods.

Membership figures often vary widely from year to year for cooperatives participating in price stabilization programs, particularly for those handling cotton, peanuts, or tobacco.

Classification of members is affected also by the diversity of services offered by cooperatives. For example, a member may use a cooperative to market only one of the farm products handled by the cooperative, or a member may use a cooperative classified in the marketing group only for purchasing one or more types of production supplies. The member's business with the cooperative, therefore, may not be in the group that represents the cooperative's major business volume (which determines how the cooperative is classified in this report). The membership, however, will be included arbitrarily in that classification.

Footnotes to table 4.

¹Data covering operations of cooperatives for calendar year 1979.

²Cooperatives performing specific services related to a commodity are included. Incorporated local associations of a federation that performs the actual marketing or processing are counted.

³Includes members (those entitled to vote for directors) but does not include nonvoting patrons. (There is some duplication in these membership figures because many farmers belong to more than one cooperative.)

⁴Includes independent local cooperatives, federations, centralized cooperatives, and cooperatives with mixed organizational structures.

⁵The cooperative with which this membership is affiliated has been counted in the State in which the cooperative maintains its headquarters. (Foreign members of U.S. headquartered cooperatives are in Canada.)

⁶Includes cooperatives temporarily inactive.

⁷Includes soybean marketing and processing.

⁸Membership of nut cooperatives that market peanuts fluctuates from year to year and is affected by the extent to which producers participate in price stabilization programs.

⁹Includes sugar, sugarcane, sugar beets, honey, maple syrup, molasses, and sorghum.

¹⁰Member-patrons. Number fluctuates considerably from year to year due to participation in price stabilization programs.

¹¹No individual memberships or members located outside State in which cooperative headquarters is located.

¹²Includes forest products, hay, hops, nursery stock, coffee, and other farm products not separately classified.

¹³Cooperatives providing services related to marketing or purchasing activities.

Table 5—Memberships in predominantly marketing, farm supply, and related service cooperatives, selected years, 1950-51 to 1980

Period ¹	Marketing		Farm supply		Related service		Total	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
1950-51	4,117,950	58.1	2,878,890	40.6	94,280	1.3	7,091,120	100.0
1955-56	4,223,260	54.6	3,443,610	44.6	64,865	0.8	7,731,735	100.0
1960-61	3,473,425	48.2	3,679,675	51.1	49,795	0.7	7,202,895	100.0
1961-62	3,420,100	48.2	3,634,690	51.2	44,190	0.6	7,098,980	100.0
1962-63	3,582,110	49.6	3,595,890	49.8	40,750	0.6	7,218,750	100.0
1963-64	3,612,535	51.0	3,425,200	48.4	41,765	0.6	7,079,500	100.0
1964-65	3,790,915	53.5	3,250,840	45.9	40,255	0.6	7,082,010	100.0
1965-66	3,635,605	53.3	3,154,490	46.2	36,180	0.5	6,826,275	100.0
1966-67	3,298,435	50.7	3,168,985	48.8	34,280	0.5	6,501,700	100.0
1967-68	3,225,185	50.0	3,186,640	49.5	33,585	0.5	6,445,410	100.0
1968-69	3,141,245	49.4	3,189,460	50.1	32,850	0.5	6,363,555	100.0
1969-70	3,102,745	48.8	3,222,435	50.7	29,800	0.5	6,354,980	100.0
1970-71	3,105,005	50.4	3,027,515	49.2	25,220	0.4	6,147,740	100.0
1971-72	3,133,505	51.0	2,991,240	48.7	21,805	0.3	6,146,550	100.0
1972-73	3,117,980	50.9	2,988,050	48.8	21,905	0.3	6,127,935	100.0
1973-74	3,111,255	51.0	2,972,455	48.7	21,820	0.3	6,105,530	100.0
1974-75	3,126,500	51.1	2,971,400	48.5	24,600	0.4	6,122,500	100.0
1975-76	2,811,858	47.6	3,056,071	51.7	38,450	0.7	5,906,379	100.0
1976-77	2,655,018	46.1	3,066,023	53.3	36,687	0.6	5,757,728	100.0
1978 ²	2,595,000	45.6	3,063,000	53.8	36,500	0.6	5,694,500	100.0
1979	2,530,733	45.0	3,060,020	54.4	36,443	0.6	5,627,196	100.0
1980 ³	2,541,995	47.3	2,804,482	52.1	32,411	0.6	5,378,888	100.0

¹For years prior to 1950-51, see appendix table 6, FCS General Report 128 in libraries.

²Previously, data for farmer cooperatives were reported on a fiscal year basis. Beginning in 1978, data are included for the calendar year. Data for 1978 are estimated.

³Preliminary.

Business Volume

Total gross business volume of 6,293 marketing, farm supply, and related service cooperatives amounted to \$92.5 billion (table 6). This was an increase of 19.5 percent over the \$77.4 billion gross reported in 1979.

Total net business volume of farmer cooperatives amounted to \$66.3 billion. This amount included \$48.9 billion for farm products marketed, \$16.1 billion for farm supplies purchased, and \$1.2 billion for services performed (fig. 3). The total net figure of \$66.3 billion, which excludes intercooperative business (the difference between gross and net business volumes), represented an increase of 17.7 percent over the \$56.3 billion in 1979. However, discounting for inflation, real growth was estimated to be 9.4 percent.⁷ Intercooperative business rose to \$26.2 billion from 21.1 billion in 1979.

Gross and net volumes of business for marketing, purchasing, and related service activities are shown in table 6 for selected years from fiscal 1951 through calendar 1980. Both gross and net volumes exceeded 1979 totals.

Gross volume of farm products marketed by cooperatives increased from \$53.7 billion in 1979 to \$63.7 billion, an increase of 18.6 percent. The net volume of farm products marketed amounted to \$48.9 billion and accounted for 73.8 percent of the total net volume of cooperatives. The net marketing volume represented an increase of 17.3 percent from the \$41.7 billion for 1979. Gains resulted primarily from increases in the dollar volumes reported for grain, soybeans, soybean meal and oil; and dairy products.

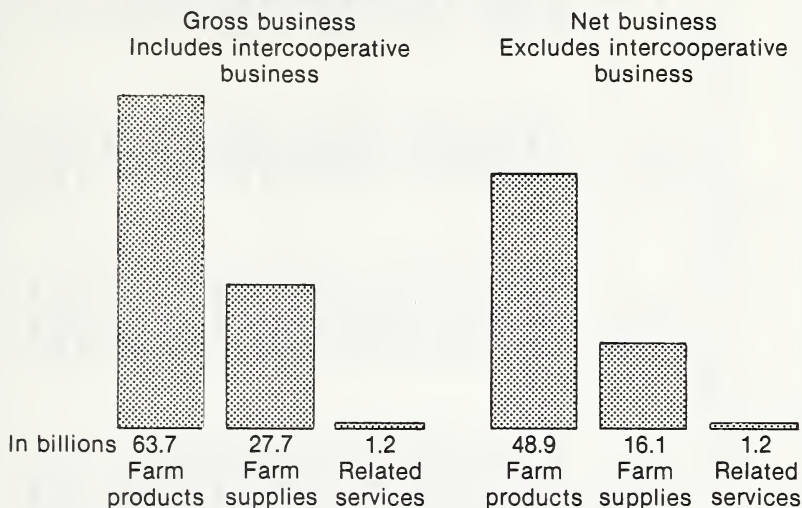
Figure 4 illustrates the leading products marketed by cooperatives based on net marketing business volume. Grain, soybeans, and soybean meal and oil led with 36.4 percent of total net marketing volume, followed by dairy products and livestock and livestock products.

Gross volume of all farm supplies handled by cooperatives amounted to \$27.7 billion, a 22 percent increase from the \$22.7

⁷By deflating the volume of farm products handled by cooperatives in 1980 by indices of producer prices for farm products and processed foods and feeds and the volume of farm supplies and related services by the index on prices paid by farmers for production of all commodities excluding interest, taxes, and wage rates, total business volume amounted to \$61.6 billion—only a 9.4-percent increase over the 1979 volume.

Figure 3

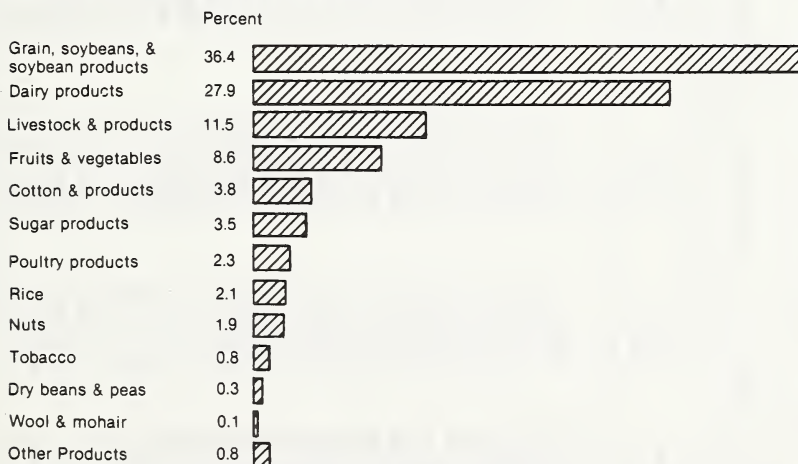
Cooperative Business Volume, 1980



Figures have been rounded.

Figure 4

Relative Importance of Major Farm Products Marketed by Cooperatives, 1980



Based on net marketing business of \$48.9 billion.

Table 6—Business volume of marketing, farm supply, and related service cooperatives, selected years, 1950-51 to 1980

Period ¹	Gross volume (includes intercooperative business)			Net volume (excludes intercooperative business)			
	Farm products	Farm supplies	Related services ²	Total	Farm products	Farm supplies	Related services ²
	<i>1,000 dol.</i>						
1950-51	7,984,777	2,437,521	99,958	10,522,256	6,361,766	1,685,413	99,958
1955-56	9,514,387	2,972,696	214,880	12,701,963	7,495,159	2,046,086	214,880
1960-61	12,143,722	3,744,711	305,600	16,194,033	9,631,247	2,472,286	305,600
1961-62	12,992,656	3,914,849	302,102	17,209,607	10,160,364	2,561,338	302,102
1962-63	13,893,463	4,145,263	303,281	18,342,007	10,834,165	2,704,400	303,281
1963-64	14,532,553	4,393,864	313,103	19,239,520	11,209,069	2,831,586	313,103
1964-65	14,816,217	4,495,217	315,527	19,626,961	11,516,217	2,910,188	315,527
1965-66	15,489,446	4,804,443	325,071	20,618,960	12,197,744	3,085,382	325,071
1966-67	16,265,376	5,314,427	317,570	21,897,373	12,899,762	3,339,207	317,570
1967-68	16,556,620	5,565,045	316,014	22,437,679	13,189,137	3,544,854	316,014
1968-69	16,841,051	5,643,341	350,761	22,835,153	13,420,765	3,615,271	350,761
1969-70	18,388,420	5,986,359	391,176	24,765,955	14,816,000	3,873,211	391,176
1970-71	20,118,015	6,748,989	414,299	27,281,303	15,801,872	4,339,529	414,299
1971-72	20,794,406	7,395,899	462,240	28,652,545	16,463,065	4,739,603	462,240
1972-73	25,110,374	8,841,293	502,800	34,454,467	19,573,016	5,914,962	502,800
1973-74	35,632,381	11,395,208	657,730	47,685,319	26,943,792	7,764,027	657,730
1974-75	40,313,162	13,416,013	744,477	54,473,652	31,937,363	8,660,605	744,477
1975-76	39,402,165	15,553,633	855,277	55,811,075	29,783,115	9,411,685	855,277
1976-77	40,803,827	17,790,798	892,977	59,487,602	32,133,711	10,557,465	892,977
1978 ³	45,072,429	18,604,619	947,655	64,624,703	35,305,600	11,051,865	947,655
1979	53,668,810	22,669,818	1,053,559	77,392,187	41,693,349	13,521,489	1,053,559
1980 ⁴	63,650,268	27,660,042	1,209,225	92,519,535	48,911,018	16,134,111	1,209,225
							8,147,137
							9,756,125
							12,409,133
							13,023,804
							13,841,846
							14,353,758
							14,741,932
							15,608,197
							16,556,539
							17,040,005
							17,386,797
							19,080,387
							20,555,700
							21,664,908
							25,990,778
							35,365,549
							41,342,445
							40,050,077
							43,584,153
							47,305,120
							56,268,397
							66,254,354

Period ¹	Gross volume (includes intercooperative business)				Net volume (excludes intercooperative business)			
	Farm products	Farm supplies	Related services ²	Total	Farm products	Farm supplies	Related services ²	Total
	<i>1,000 dollars</i>							
1950-51	75.9	23.2	0.9	100.0	78.1	20.7	1.2	100.0
1955-56	74.9	23.4	1.7	100.0	76.8	21.0	2.2	100.0
1960-61	75.0	23.1	1.9	100.0	77.6	19.9	2.5	100.0
1961-62	75.5	22.7	1.8	100.0	78.0	19.7	2.3	100.0
1962-63	75.7	22.6	1.7	100.0	78.3	19.5	2.2	100.0
1963-64	75.5	22.9	1.6	100.0	78.1	19.7	2.2	100.0
1964-65	75.5	22.9	1.6	100.0	78.1	19.8	2.1	100.0
1965-66	75.1	23.3	1.6	100.0	78.1	19.8	2.1	100.0
1966-67	74.3	24.3	1.4	100.0	77.9	20.2	1.9	100.0
1967-68	73.8	24.8	1.4	100.0	77.4	20.8	1.8	100.0
1968-69	73.8	24.7	1.5	100.0	77.2	20.8	2.0	100.0
1969-70	74.2	24.2	1.6	100.0	77.7	20.3	2.0	100.0
1970-71	73.8	24.7	1.5	100.0	76.9	21.1	2.0	100.0
1971-72	72.6	25.8	1.6	100.0	76.0	21.9	2.1	100.0
1972-73	72.9	25.7	1.4	100.0	75.3	22.8	1.9	100.0
1973-74	74.7	23.9	1.4	100.0	76.2	21.9	1.9	100.0
1974-75	74.0	24.6	1.4	100.0	77.3	20.9	1.8	100.0
1975-76	70.6	27.9	1.5	100.0	74.4	23.5	2.1	100.0
1976-77	68.6	29.9	1.5	100.0	73.7	24.2	2.1	100.0
1978 ³	69.7	28.8	1.5	100.0	74.6	23.4	2.0	100.0
1979	69.3	29.3	1.4	100.0	74.1	24.0	1.9	100.0
1980 ⁴	68.8	29.9	1.3	100.0	73.8	24.4	1.8	100.0

¹For years prior to 1950-51, see appendix table 7, FCS General Report 128, in libraries. Data for prior years are not entirely comparable due to revisions in statistical procedures in 1950-51.

²Services related to marketing or supply purchasing but not included in the volumes reported for these activities.

³Previously, data for farmer cooperatives were reported on a fiscal year basis. Beginning in 1978, data are included for the calendar year. Data for 1978 are estimated.

⁴Preliminary.

billion gross in 1979. The net farm supply volume of \$16.1 billion accounted for 24.4 percent of the total net business volume, a 19.3 percent increase over the \$13.5 billion volume in 1979. Increases in net volumes of petroleum products, feed, and fertilizer largely accounted for this rise.

As shown in figure 5, leading farm supplies handled by cooperatives in terms of net business volume were petroleum products, with 31.4 percent of the total, followed by feed and fertilizer.

Receipts for services performed by all types of cooperatives amounted to \$1.2 billion, a 14.8 percent increase over the 1979 service receipts of \$1.1 billion. Service receipts represented 1.8 percent of total net business volume.

An estimated 69.5 percent of the 6,293 cooperatives, or 4,373 cooperatives, marketed farm products (table 7). These included 3,800 cooperatives that primarily marketed farm products; 553 cooperatives that handled farm supplies; and 20 related service cooperatives whose major services were trucking, storage, or other activities related to marketing farm products or purchasing farm supplies. Eight inactive marketing cooperatives were not included.

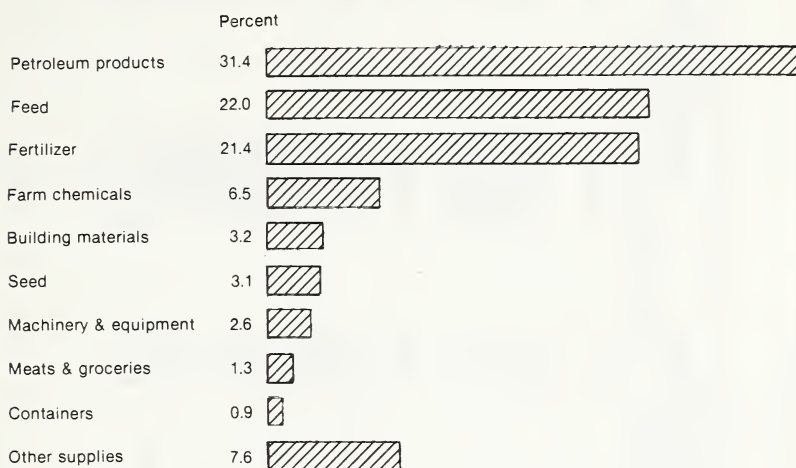
Farm supplies were handled by 5,022 cooperatives, 79.8 percent of the total number. Included were 2,366 cooperatives that primarily handled farm supplies; 2,619 marketing cooperatives; and 37 related service cooperatives that handled farm supplies as a sideline activity. Three inactive farm supply cooperatives were not included.

Some 4,612 cooperatives of all types, or 73.3 percent of the total, performed one or more services related to farm product marketing or farm supply purchasing. These included 116 cooperatives primarily performing service activities such as trucking, storage, drying, and similar services; 1,847 farm supply cooperatives; and 2,649 marketing cooperatives (including cotton ginning, livestock trucking, and rice- and fruit-drying cooperatives).

The survey showed that 68.9 percent of all marketing cooperatives handled one or more types of farm supplies, and 69.7 percent provided specialized related services such as cotton ginning and livestock trucking or general related services such as storage, grinding, and drying. Of the farm supply cooperatives, 23.4 percent marketed farm products, and 78.1 percent per-

Figure 5

Relative Importance of Major Farm Supplies Handled by Cooperatives, 1980



Based on net farm supply business of \$16.1 billion.

formed related services for their patrons. An estimated 17.2 percent of the related service cooperatives marketed farm products, and 31.9 percent handled farm supplies.

Geographic Areas

The 1979 estimated volume of farm products marketed and farm supplies purchased by cooperatives is shown by State and geographic region in table 8. The East North Central and West North Central regions combined accounted for 53.7 percent of the total net volume of farm products marketed, and for 56.1 percent of supplies purchased.

The West North Central region, with related service receipts of \$324 million, ranked first among all regions. This represented 30.7 percent of the total volume of service receipts reported by cooperatives.

In net value of combined marketing, farm supply, and related service volume, Iowa was first with \$4.9 billion, or 8.6 percent of the total; Minnesota was second with \$4.3 billion, or 7.6 percent of the total; and California third with more than \$4.2 billion, or 7.5 percent of the total.

Table 7—Cooperative business volume by commodity, 1980¹

Commodity	Cooperatives handling	Gross volume (includes inter-cooperative business)		Net volume (excludes inter-cooperative business)	
		No.	<i>Pct</i> ² <i>I, 000 dol.</i>	<i>Pct.</i> <i>I, 000 dol.</i>	<i>Pct.</i>
Products marketed:					
Beans and peas (dry edible)	60	1.0	182,990	0.2	0.2
Cotton and cotton products.....	471	7.5	2,213,163	2.4	2.8
Dairy products	487	7.8	15,137,380	16.4	20.6
Fruits and vegetables	401	6.4	5,755,248	6.2	6.4
Grain, soybeans, and soybean meal and oil.....	2,438	38.8	28,488,021	30.8	26.8
Livestock and livestock products.....	454	7.2	6,057,879	6.6	8.5
Nuts.....	49	0.8	928,771	1.0	1.4
Poultry products	74	1.2	1,246,567	1.3	1.7
Rice	60	1.0	1,019,952	1.1	1.5
Sugar products.....	46	0.7	1,776,122	1.9	2.6
Tobacco.....	34	0.5	381,205	0.4	0.6
Wool and mohair	144	2.3	58,609	0.1	0.1
Miscellaneous ³	113	1.8	404,361	0.4	0.6
Total farm products.....	44,373	69.6	63,650,268	68.8	73.8

Supplies purchased:

Building materials.....	2,107	33.5	612,585	0.7	516,568	0.8
Containers and packaging supplies.....	658	10.5	377,811	0.4	141,357	0.2
Farm chemicals.....	3,697	58.9	1,764,488	1.9	1,047,882	1.6
Farm machinery and equipment.....	1,827	29.1	672,109	0.7	418,188	0.6
Feed	3,613	57.5	5,260,794	5.7	3,543,627	5.3
Fertilizer.....	3,802	60.5	6,522,213	7.1	3,453,944	5.2
Meats and groceries	482	7.7	252,258	0.3	201,974	0.3
Petroleum products	2,921	46.5	9,658,552	10.4	5,069,515	7.7
Seed.....	3,620	57.6	668,160	0.7	494,893	0.8
Miscellaneous supplies ⁵	4,339	69.1	1,871,072	2.0	1,246,113	1.9
Total farm supplies	45,022	79.9	27,660,042	29.9	16,134,111	24.4

Services provided:

Trucking, cotton ginning, storage, grinding, locker plants, miscellaneous.....	4,612	73.4	61,209,225	1.3	61,209,225	1.8
Total business	7,622	100.0	92,519,535	100.0	66,254,354	100.0

¹Preliminary.

²Number of cooperatives handling each commodity group is computed as a percentage of the total number of 6,282 active cooperatives listed.

³Includes coffee, forest products, hay, hops, seed marketed for growers, nursery stock, other farm products not separately classified, and sales of farm products not received directly from member-patrons.

⁴Because many cooperatives do more than one type of business, these totals are fewer than the number obtained by adding the number of cooperatives handling individual items or performing individual services.

⁵Includes plant equipment, automotive supplies, hardware, chicks, and other supplies not separately classified.

⁶Charges for services related to marketing or purchasing but not included in the volume reported for those activities.

⁷Inactive cooperatives are not included.

Table 8—Cooperative business volume by commodity, geographic region, and State, 1979¹

Geographic region and State	Beans and peas—dry edible						Cotton and cotton products						Dairy products					
	Cooperatives handling ²			Value of sales			Cooperatives handling ²			Value of sales			Cooperatives handling ²			Value of sales		
	Head- quarters in State	Total operating in State	No.	Gross— includes interco-op business	Net— excludes interco-op business	1,000 dol.	Head- quarters in State	Total operating in State	No.	Gross— includes interco-op business	Net— excludes interco-op business	1,000 dol.	Head- quarters in State	Total operating in State	No.	Gross— includes interco-op business	Net— excludes interco-op business	1,000 dol.
Maine			No.	1,000 dol.	1,000 dol.				No.	1,000 dol.	1,000 dol.				No.	1,000 dol.	1,000 dol.	
New Hampshire																		
Vermont																		
Massachusetts																		
Rhode Island																		
Connecticut																		
New England																		
New York	1	1		(³)	(³)													
New Jersey																		
Pennsylvania																		
Middle Atlantic	1																	
Ohio																		
Indiana																		
Illinois																		
Michigan	17	17		58,645	38,032													
Wisconsin																		
East North Central	17			58,645	38,032													
Minnesota																		
Iowa																		
Missouri																		
North Dakota	2	3		1,974	222				2	2,489	1,997							
South Dakota																		
Nebraska	2	2		(³)	(³)													
Kansas	1	1		(³)	(³)													
West North Central	5			1,974	222					2,489	1,997				160	2,757,597	2,373,365	

Delaware						3	10,137	10,137
Maryland						2	211,540	201,268
Virginia						4	259,992	251,422
West Virginia						2	38,256	37,185
North Carolina	1	1	(3)			1	(3)	(3)
South Carolina	1	2	(3)			2	23,952	23,588
Georgia						5	207,437	203,136
Florida						6	277,930	271,914
South Atlantic	2		306			18	1,029,244	998,650
Kentucky						2	241,650	234,280
Tennessee		2	633			2	162,320	156,911
Alabama	10	11	12,106			1	99,870	99,470
Mississippi	44	44	173,392			3	91,597	89,435
East South Central	54		186,131			8	595,437	580,096
Arkansas	27	30	29,126			2	87,155	83,459
Louisiana	7	8	22,696			2	110,353	108,838
Oklahoma	56	58	134,437			1	122,896	117,902
Texas	258	261	660,810			7	405,254	390,036
West South Central	348		847,069			10	725,658	700,235
Montana	1	3	1,910			2	12,990	12,990
Idaho	4	6	15,333			1	130,689	128,282
Wyoming	2	3	1,957			4	10,700	10,210
Colorado	13	13	8,798			5	110,124	101,959
New Mexico								
Arizona								
Utah								
Nevada	20		27,998			1	(3)	(3)
Mountain								
Washington	9	9	14,861			4	131,891	131,891
Oregon	1	2	(3)			5	12,522	12,522
California	6	6	27,083			16	408,916	397,854
Pacific	16		41,944					
Subtotal	59		136,231			493	12,800,087	11,592,363
Alaska						1	(3)	(3)
Hawaii						1	(3)	(3)
Foreign								
United States	59		136,231			495	12,800,087	11,592,363

See end of table for footnote references.

Table 8—Cooperative business volume by commodity, geographic region, and State, 1979¹—Continued

Geographic region and State	Fruits and vegetables						Grain, soybeans, soybean meal and oil						Livestock and livestock products					
	Cooperatives handling ²			Value of sales			Cooperatives handling ²			Value of sales			Cooperatives handling ²			Value of sales		
	Head- quarters in State	Total operating in State	No.	Gross— includes interco-op business	Net— excludes interco-op business	dol.	Head- quarters in State	Total operating in State	No.	Gross— includes interco-op business	Net— excludes interco-op business	dol.	Head- quarters in State	Total operating in State	No.	Gross— includes interco-op business	Net— excludes interco-op business	dol.
Maine	7	7		1,000	1,000	dol.				1,000	1,000	dol.				1,000	1,000	dol.
New Hampshire				4,066	4,066		1	1		(³)	(³)							
Vermont	1	1		(³)	(³)					(³)	(³)							
Massachusetts	1	1		(³)	(³)													
Rhode Island																		
Connecticut	2	2		(³)	(³)													
New England	11			4,066	4,066		1	1		(³)	(³)							
New York	12	12		155,937	155,937		30	30		35,450	35,450		4	4		85,373	85,373	
New Jersey	13	14		58,800	58,800		5	6		7,877	7,877		2	2		8,651	8,651	
Pennsylvania	9	11		153,251	153,251		7	8		7,058	7,058		19	20		12,996	12,962	
Middle Atlantic	34			367,988	367,988		42			50,385	50,385		25			107,020	106,986	
Ohio	8	9		28,662	28,662		145	147		1,537,121	845,615		9	12		319,880	306,499	
Indiana	1	4		11,071	11,071		87	90		1,452,836	932,745		15	20		257,661	257,376	
Illinois	4	4		2,888	2,888		199	203		3,002,536	1,941,933		5	8		528,378	517,990	
Michigan	20	22		204,048	174,948		53	54		294,625	191,420		7	10		232,704	229,257	
Wisconsin	5	9		83,109	82,125		58	59		53,484	52,240		70	72		370,945	149,540	
East North Central	38			329,778	299,694		542			6,340,602	3,963,953		106			1,709,568	1,460,662	
Minnesota	3	4		10,575	10,575		251	256		2,186,733	1,349,230		147	150		444,400	324,492	
Iowa	1	2		(³)	(³)		293	300		3,598,354	2,233,219		17	25		805,278	804,558	
Missouri	1	3		3,279	3,279		36	43		1,686,238	804,961		9	12		240,407	240,407	
North Dakota	3	3		16,583	16,583		260	263		1,353,530	858,936		22	25		48,384	40,907	
South Dakota							133	135		458,401	304,997		5	8		34,664	32,624	
Nebraska							186	190		1,012,569	797,257		6	9		890,488	890,488	
Kansas	3	3		2,467	2,467		219	223		1,865,004	1,155,978		4	8		284,942	284,942	
West North Central	11			32,904	32,904		1,378			12,160,829	7,504,578		210			2,748,563	2,618,418	

Delaware.....	1	2	(3)	(3)	2	3	11,439	10,414	1	412	371
Maryland.....	3	4	1,260	1,224	4	7	65,046	49,148	1	164	147
Virginia.....	6	6	12,369	11,973	9	9	37,426	33,665	19	33,659	31,599
West Virginia.....	9	1	2,850	2,736	2	3	20,338	19,716	8	7,828	7,634
North Carolina.....	5	6	9,941	8,805	2	8	110,623	107,736	5	29,511	29,080
South Carolina.....	3	3	2,963	1,863	3	18	276,188	264,218	1	(3)	(3)
Georgia.....	3	3	536	536	15	4	64,142	60,567	2	(3)	(3)
Florida.....	49	50	1,272,346	642,414	35	4	585,202	545,464	35	71,574	68,831
South Atlantic	76		1,302,265	669,551							
Kentucky.....	1	2	(3)	(3)	3	4	23,855	22,611	13	38,723	38,297
Tennessee.....	3	4	341	341	9	14	172,842	161,607	4	2,627	2,627
Alabama.....	3	3	1,111	1,111	20	23	185,729	167,834	13	32,656	32,656
Mississippi.....					18	21	220,819	172,022	5	65,161	65,161
East South Central	7		1,452	1,452	50		603,245	524,074	34	139,167	138,741
Arkansas.....	9	11	21,378	21,378	16	18	282,219	261,351	5	7,885	7,885
Louisiana.....	4	4	556	556	15	19	133,871	123,579	2	887	887
Oklahoma.....	4	4	790	790	93	94	816,700	531,502	2	(3)	(3)
Texas.....	6	6	52,874	19,861	147	149	738,437	469,535	4	95,358	92,558
West South Central	23		75,598	42,585	271		1,971,227	1,385,967	13	104,130	101,330
Montana.....	2	2	(3)	(3)	45	47	379,356	182,623	3	7,657	7,249
Idaho.....	3	4	114,204	113,462	17	22	137,945	92,800	7	20,847	20,847
Wyoming.....	1	1	(3)	(3)	5	6	7,104	5,659	3	2,450	2,450
Colorado.....	13	13	25,112	14,748	33	37	248,069	160,436	6	188,884	188,883
New Mexico.....	2	2	(3)	(3)	2	3	14,761	9,232	1	(3)	(3)
Arizona.....	11	14	179,320	80,595	2	2	(3)	(3)	2	(3)	(3)
Utah.....	3	3	2,726	2,726	4	5	13,625	7,200	2	(3)	(3)
Nevada.....					1	1	(3)	(3)			
Mountain	35		321,362	211,531	109		800,860	457,950	22	219,838	219,429
Washington.....	33	37	447,531	404,754	36	37	461,686	381,939	1	(3)	(3)
Oregon.....	13	16	198,816	181,204	17	18	113,895	94,194	1	(3)	(3)
California.....	116	117	2,353,211	1,586,799	7	7	16,098	16,098	2	(3)	(3)
Pacific	162		2,999,558	2,172,757	60		591,679	492,231	3		
Subtotal.....	397		5,531,361	3,898,900	2,488		23,117,791	14,938,364	449	5,525,980	5,140,517
Alaska.....					1	1	(3)	(3)			
Hawaii.....	8	9	14,950	9,650							
Foreign.....	3	3	16,953	16,780		2	34,234	10,095			
United States	405		5,563,264	3,925,330	2,489		23,152,025	14,948,459	449	5,525,980	5,140,517

See end of table for footnote references.

Table 8—Cooperative business volume by commodity, geographic region, and State, 1979¹—Continued

Geographic region and State	Nuts			Poultry and poultry products						Rice		
	Cooperatives handling ²			Cooperatives handling ²			Cooperatives handling ²			Cooperatives handling ²		
	Head- quarters in State	Total operating in State	Value of sales Gross— includes interco-op business	Head- quarters in State	Total operating in State	Value of sales Gross— includes interco-op business	Head- quarters in State	Total operating in State	Value of sales Gross— includes interco-op business	Head- quarters in State	Total operating in State	Value of sales Gross— includes interco-op business
	No.	No.	1,000 dol.	No.	No.	1,000 dol.	No.	No.	1,000 dol.	No.	No.	1,000 dol.
Maine.....												
New Hampshire.....				1	4	3,463			3,463			
Vermont.....				1	4	5,266			5,266			
Massachusetts.....				2	4	6,241			6,241			
Rhode Island.....					1	7,231			7,231			
Connecticut.....				1	2	(³)			(³)			
New England.....				5	5	22,201			22,201			
New York.....				5	6	31,308			31,189			
New Jersey.....				1	4	3,639			3,520			
Pennsylvania.....				3	6	25,572			25,394			
Middle Atlantic.....				9	9	60,519			60,103			
Ohio.....				4	5	19,235			6,464			
Indiana.....				9	10	17,510			15,200			
Illinois.....				1	2	(³)			(³)			
Michigan.....				2	2	(³)			(³)			
Wisconsin.....				4	4	16,299			16,299			
East North Central.....				20	20	53,044			37,963			
Minnesota.....				7	8	134,746			105,450			
Iowa.....				1	3	11,482			642			
Missouri.....				1	4	2,444			491			
North Dakota.....										1		5,360
South Dakota.....												
Nebraska.....												
Kansas.....												
West North Central.....	1	1	(³)	16	16	159,958			112,009			5,360

Table 8—Cooperative business volume by commodity, geographic region, and State, 1979¹—Continued

Geographic region and State	Sugar products				Tobacco				Wool and mohair			
	Cooperatives handling ²		Value of sales		Cooperatives handling ²		Value of sales		Cooperatives handling ²		Value of sales	
	Head- quarters in State	Total operating in State	Gross— includes interco-op business	Net— excludes interco-op business	Head- quarters in State	Total operating in State	Gross— includes interco-op business	Net— excludes interco-op business	Head- quarters in State	Total operating in State	Gross— includes interco-op business	Net— excludes interco-op business
	No.	No.	1,000 dol.	1,000 dol.	No.	No.	1,000 dol.	1,000 dol.	No.	No.	1,000 dol.	1,000 dol.
Maine.....												
New Hampshire.....												
Vermont.....												
Massachusetts.....												
Rhode Island.....												
Connecticut.....												
New England												
New York.....												
New Jersey.....												
Pennsylvania.....												
Middle Atlantic												
Ohio.....	2	2	(³)	(³)								
Indiana.....												
Illinois.....			8	8								
Michigan.....			482	482								
Wisconsin.....			683	683								
East North Central												
Minnesota.....	2	2	1,173	1,173								
Iowa.....	3	5	241,985	214,933								
Missouri.....	1	1	(³)	(³)								
North Dakota.....	1	3	317	317								
South Dakota.....			109,826	96,298								
Nebraska.....	1	1	4,502	4,502								
Kansas.....	2	5	47,429	47,429								
West North Central												
	3	3	9,481	8,814								
	7		413,540	372,293								

Delaware.....	1	1	(3)	19	2,677	2,676
Maryland.....	3	8	17,008	31	597	597
Virginia.....		1	187			
West Virginia.....	10	14	104,014	50		
North Carolina.....	1	3	8,512			
South Carolina.....		1	3,730			
Georgia.....	4	1	622			
Florida.....	5	1	134,073			
South Atlantic.....	4	15	133,538		3,274	3,273
Kentucky.....	1	7	62,686	1	93	93
Tennessee.....	9	11	28,412			
Alabama.....	1	16				
Mississippi.....	1	16				
East South Central.....	1	32	91,098		93	93
Arkansas.....	14	40		1	62	62
Louisiana.....	13	128,831		1	(3)	(3)
Oklahoma.....	1	128,831		1	249	249
Texas.....	2	(3)		2	(3)	(3)
West South Central.....	14	128,871	91,098	3	311	311
Montana.....	3	21,341		22	1,214	1,214
Idaho.....	2	34,606		21	1,472	1,472
Wyoming.....	2	4,071		9	6,763	4,771
Colorado.....	1	50,217		3	957	293
New Mexico.....	1	100				
Arizona.....	1	667				
Utah.....	6	12,069		3	4,987	2,199
Nevada.....	1	137		2	159	159
Mountain.....	13	123,208		52	15,552	10,108
Washington.....	1	867		1	(3)	(3)
Oregon.....	2	(5)		2	(3)	(3)
California.....	3	5,428,296		3	5,104	2,183
Pacific.....	4	429,163		4	5,104	2,183
Subtotal.....	45	1,252,922	239,541	152	55,825	32,074
Alaska.....	1					
Hawaii.....	2	(5)		1	22	22
Foreign.....	1	2,430	239,541	152	55,847	32,096
United States.....	46	1,255,352	239,006			

See end of table for footnote references.

Table 8—Cooperative business volume by commodity, geographic region, and State, 1979¹—Continued

Geographic region and State	Miscellaneous marketing ⁶						Total farm products marketed						Building materials					
	Cooperatives handling ²			Value of sales			Cooperatives handling ²			Value of sales			Cooperatives handling ²			Value of sales		
	No.	Total operating in State	Head- quarters in State	Gross— includes interco-op business	Net— excludes interco-op business	No.	Total operating in State	Head- quarters in State	Gross— includes interco-op business	Net— excludes interco-op business	No.	Total operating in State	Head- quarters in State	Gross— includes interco-op business	Net— excludes interco-op business	No.	Total operating in State	Head- quarters in State
Maine				1,000 dol.	1,000 dol.				1,000 dol.	1,000 dol.				1,000 dol.	1,000 dol.			
New Hampshire	5	5		4,877	4,877	13	13	9	24,762	23,247	3	4	3	6,113	3,977			
Vermont	2	3		265	265	9	9	4	30,627	28,355				3,369	2,088			
Massachusetts	4	5		2,401	2,401	8	10	8	224,544	214,696	1	3	1	11,221	6,951			
Rhode Island	11			7,543	7,543	8	11	8	143,033	136,594	5	6	5	8,757	5,768			
Connecticut						2	2		13,058	12,301				3	1,124	697		
New England						6	6	3	63,692	56,495	1	4	1	5,624	3,488			
New York	5	5		4,877	4,877	32	139	32	499,716	471,688	10	124	10	36,208	22,969			
New Jersey	2	3		265	265	134	139	134	1,121,829	986,429	124	124	124	27,804	19,690			
Pennsylvania	4	5		2,401	2,401	20	28	20	115,175	114,050	6	7	6	11,599	7,756			
Middle Atlantic	11			7,543	7,543	69	85	69	958,537	878,297	19	22	19	43,881	27,654			
Ohio	5	5		698	698	223	186	223	2,195,541	1,978,776	149	104	104	83,284	55,100			
Indiana	11	11		1,624	1,624	173	115	173	2,249,205	1,521,983	104	78	78	9,366	9,366			
Illinois	2	2		(³)	(³)	95	235	95	1,991,883	1,458,720	78	122	78	45,843	33,070			
Michigan	6	6		3,837	3,837	221	103	221	3,962,995	2,881,116	120	56	120	27,698	27,464			
Wisconsin	4	4		1,613	1,613	92	255	92	1,343,571	1,133,189	119	121	119	19,260	18,985			
East North Central	28			7,772	7,772	236	12,214	817	2,667,190	2,326,580	476	127	476	109,859	95,104			
Minnesota	11	11		6,861	6,861	8	528	507	4,505,700	3,202,089	126	200	126	33,648	30,884			
Iowa	4	4		3,212	3,212	320	344	320	4,923,419	3,525,294	196	84	196	88,512	83,078			
Missouri	1	1		(³)	(³)	48	73	48	2,267,222	1,362,514	84	102	84	15,404	13,339			
North Dakota	3	4		566	566	292	303	292	1,599,158	1,072,212	98	92	98	34,444	34,107			
South Dakota	2	3		(³)	(³)	141	151	141	618,531	430,805	90	124	90	18,832	18,246			
Nebraska	3	3		12,717	12,717	198	215	198	2,095,275	1,862,391	121	138	121	21,655	18,576			
Kansas	2	3		523	523	225	242	225	2,328,175	1,609,007	137	138	137	23,900	20,733			
West North Central	26			23,879	23,878	1,731	18,337	1,731	480	13,064,312	852			236,395	218,963			

Delaware.....	1	1	(3)	3	9	24,155	23,071	4	7	2,441	2,014
Maryland.....	2	2	(3)	10	19	290,875	261,560	23	25	7,020	6,166
Virginia.....			(3)	61	73	466,416	451,131	52	53	8,621	8,621
West Virginia.....			(3)	34	45	60,287	58,908	20	22	2,098	2,098
North Carolina.....				29	44	411,127	399,593	3	3	1,217	1,217
South Carolina.....			(3)	13	29	161,502	156,973	10	11	1,204	554
Georgia.....	1	1	(3)	26	35	958,165	941,894	79	79	11,625	5,285
Florida.....	1	1	(3)	60	72	1,828,883	1,187,638	12	14	1,424	669
South Atlantic.....	5			236		4,201,410	3,480,768	203		35,650	26,624
Kentucky.....	2	2	(3)	26	40	368,246	358,973	46	47	6,805	6,805
Tennessee.....	2	2	(3)	28	43	367,875	351,221	60	60	11,490	11,490
Alabama.....	2	2	(3)	46	57	599,127	580,541	54	56	6,101	2,908
Mississippi.....	2	2	(3)	69	78	621,575	545,989	48	48	2,012	1,697
East South Central.....	6			169		1,956,823	1,836,724	208		26,408	22,900
Arkansas.....	2	2	(3)	69	84	743,002	712,047	36	36	5,864	5,864
Louisiana.....				51	63	454,477	442,340	12	13	1,156	972
Oklahoma.....	3	3	499	134	143	1,249,479	928,050	65	66	6,999	5,944
Texas.....	1	2	(3)	359	370	2,331,569	1,854,925	42	43	2,731	2,145
West South Central.....	6			613		4,778,527	3,937,362	155		16,750	14,925
Montana.....		1	2	75	83	426,080	228,395	38	39	5,079	5,079
Idaho.....	3	5	4,488	46	62	459,584	405,846	17	19	3,108	3,108
Wyoming.....		1	3	16	26	33,099	28,392	9	9	498	498
Colorado.....	1	1	(3)	59	70	632,166	520,844	35	36	6,669	5,848
New Mexico.....				22	28	46,836	36,442	4	4	39	39
Arizona.....		1	(3)	19	27	539,480	439,827	2	3	1,451	812
Utah.....	1	1	(3)	23	27	303,699	259,330	6	6	2,063	2,063
Nevada.....	1	1	(3)	4	11	18,242	18,242	1	1	(3)	(3)
Mountain.....	6			264		2,459,186	1,937,318	112		18,907	17,447
Washington.....	5	5	11,813	78	87	1,452,548	1,047,457	28	28	5,579	5,579
Oregon.....	6	7	7,729	44	52	566,478	507,885	22	23	4,549	4,549
California.....	9	9	41,644	210	217	4,754,475	3,895,385	23	23	3,742	2,417
Pacific.....	20		61,186	332		6,773,501	5,450,725	73		13,870	12,545
Subtotal.....	108		141,018	4,417		53,417,028	41,465,127	2,238		577,439	486,685
Alaska.....				1	1	(7)	(7)	1	1	(3)	(3)
Hawaii.....	3	3	4,922	15	18	24,625	19,325	4	4	88	35
Foreign.....		3	173,540		9	227,157	194,763				
United States.....	111		319,480	4,433		53,668,810	41,693,349	2,243		577,527	486,720

See end of table for footnote references.

Table 8—Cooperative business volume by commodity, geographic region, and State, 1979¹—Continued

Geographic region and State	Containers and packaging supplies				Farm chemicals				Farm machinery and equipment			
	Cooperatives handling ²		Value of sales		Cooperatives handling ²		Value of sales		Cooperatives handling ²		Value of sales	
	Head- quarters in State	Total operating in State	Gross— includes interco-op business	Net— excludes interco-op business	Head- quarters in State	Total operating in State	Gross— includes interco-op business	Net— excludes interco-op business	Head- quarters in State	Total operating in State	Gross— includes interco-op business	Net— excludes interco-op business
	No.	No.	1,000 dol.	1,000 dol.	No.	No.	1,000 dol.	1,000 dol.	No.	No.	1,000 dol.	1,000 dol.
Maine	2	3	2,311	2,242	3	5	2,665	2,246	1	3	4,345	3,322
New Hampshire		2	87	45		3	883	653		1	1,232	690
Vermont	1	3	589	450	1	3	2,840	2,078	2	3	4,125	2,318
Massachusetts	4	5	492	388	5	7	3,137	2,437	3	5	3,673	1,993
Rhode Island		2	32	18		3	309	231		1	411	230
Connecticut		2	143	73	2	5	1,497	1,115	1	2	(³)	(³)
New England	7		3,654	3,216	11		11,331	8,760	7		13,786	8,553
New York	10	10	982	718	132	133	18,617	14,296	123	125	32,048	19,723
New Jersey	10	11	2,429	2,304	12	13	4,456	3,771	6	7	5,361	3,734
Pennsylvania	14	17	3,058	2,189	28	32	15,263	11,240	20	25	23,352	12,942
Middle Atlantic	34		6,469	5,211	172		38,336	29,307	149		60,761	36,399
Ohio	14	14	4,565	4,565	144	145	65,425	38,238	89	90	27,336	18,366
Indiana	3	4	104	55	83	86	77,514	44,545	56	61	27,080	14,842
Illinois	11	12	1,054	1,018	171	173	100,504	95,888	97	101	27,434	18,647
Michigan	15	17	2,651	2,130	67	69	26,193	16,649	21	24	11,648	7,438
Wisconsin	17	20	666	483	197	202	58,914	30,489	97	102	39,281	25,548
East North Central	60		9,040	8,251	662		328,550	225,809	360		132,779	84,841
Minnesota	21	23	1,235	947	423	424	132,484	78,942	164	167	56,017	32,830
Iowa	10	14	832	691	319	324	203,799	120,924	111	117	43,049	19,712
Missouri	1	6	282	158	103	105	68,599	37,794	77	82	44,307	31,384
North Dakota	8	9	285	277	291	296	29,583	15,388	101	105	23,256	16,524
South Dakota	3	3	15	15	168	171	27,389	14,723	61	64	15,763	8,604
Nebraska	6	7	63	45	215	218	84,676	42,557	93	97	33,445	10,912
Kansas	4	6	309	242	190	192	73,033	31,786	88	90	43,464	15,823
West North Central	53		3,021	2,375	1,709		619,563	342,114	695		259,301	135,789

Delaware.....	1	3	101	87	4	8	3,147	2,164	4	7	1,645	1,354
Maryland.....	2	3	67	39	23	25	11,359	7,735	23	26	9,605	8,719
Virginia.....	9	10	232	232	55	57	20,807	13,351	44	47	18,368	10,023
West Virginia.....	11	12	58	58	24	26	4,156	2,797	20	24	2,198	2,022
North Carolina.....	3	4	509	509	6	7	15,479	13,696	2	4	9,789	4,276
South Carolina.....	2	3	505	505	11	13	8,730	7,419	9	12	1,511	841
Georgia.....	3	3	675	675	81	82	30,368	16,659	78	80	13,375	4,000
Florida.....	11	12	68,828	4,781	37	39	12,722	11,139	19	21	4,354	3,580
South Atlantic	42		70,975	6,886	241		106,768	74,960	199		60,845	34,815
Kentucky.....	4	6	130	130	51	54	15,745	11,367	47	50	6,909	6,375
Tennessee.....	3	5	199	199	84	86	41,086	20,854	41	44	10,534	7,791
Alabama.....	4	5	345	345	81	85	35,073	14,918	64	69	7,125	4,272
Mississippi.....	26	27	1,246	1,246	72	73	88,285	64,456	40	42	9,902	4,639
East South Central	37		1,920	1,920	288		180,189	111,595	192		34,470	23,077
Arkansas.....	23	26	2,040	1,971	62	66	51,691	31,252	34	36	15,373	6,018
Louisiana.....	6	7	225	225	38	42	37,039	18,846	16	19	8,325	3,219
Oklahoma.....	48	49	1,915	907	94	95	20,262	6,581	39	40	12,602	3,395
Texas.....	237	239	18,973	17,318	231	234	49,388	33,171	88	90	11,312	6,138
West South Central	314		23,153	20,421	425		158,380	89,850	177		47,612	18,770
Montana.....	5	5	2,039	2,039	87	89	9,004	3,938	31	33	4,233	2,189
Idaho.....	6	6	71	71	24	27	6,809	4,276	15	17	2,778	1,756
Wyoming.....	1	1	(¹)	(¹)	8	8	1,350	1,350	2	3	156	156
Colorado.....	9	9	1,787	700	50	51	20,562	9,340	25	26	9,901	2,400
New Mexico.....	17	17	622	622	5	5	299	299	3	3	99	99
Arizona.....	3	6	5,335	5,038	4	6	1,088	838	2	3	3,049	2,740
Utah.....	2	2	(¹)	(¹)	10	12	3,834	1,704	3	5	1,823	345
Nevada.....	1	1	(³)	(³)								
Mountain	44		9,854	8,470	188		42,946	21,745	81		22,039	9,685
Washington.....	25	25	17,379	8,547	67	69	21,454	15,656	39	41	16,976	12,931
Oregon.....	8	9	478	424	38	41	11,533	8,962	17	20	17,340	16,199
California.....	54	54	164,679	44,699	65	67	23,265	19,137	19	21	6,670	2,342
Pacific	87		182,536	53,670	170		56,252	43,755	75		40,986	31,472
Subtotal	678		310,841	110,505	3,866		1,542,315	947,895	1,935		675,068	384,986
Alaska.....									1	1	(³)	(³)
Hawaii.....	9	9	580	547	11	11	925	583	4	4	56	36
Foreign ⁴		1	206	148			1	49	20			
United States	687		311,627	111,200	3,877		1,543,289	948,498	1,940		675,124	385,022

See end of table for footnote references.

Table 8—Cooperative business volume by commodity, geographic region, and State, 1979¹—Continued

Geographic region and State	Feed				Fertilizer				Meats and groceries			
	Cooperatives handling ²		Value of sales		Cooperatives handling ²		Value of sales		Cooperatives handling ²		Value of sales	
	Head- quarters in State	Total operating in State	Gross— includes interco-op business	Net— excludes interco-op business	Head- quarters in State	Total operating in State	Gross— includes interco-op business	Net— excludes interco-op business	Head- quarters in State	Total operating in State	Gross— includes interco-op business	Net— excludes interco-op business
	No.	No.	1,000 dol.	1,000 dol.	No.	No.	1,000 dol.	1,000 dol.	No.	No.	1,000 dol.	1,000 dol.
Maine	5	8	37,766	22,110	4	5	7,618	4,431	1	2	(³)	(³)
New Hampshire		3	24,442	13,294		2	4,794	2,404				
Vermont	2	4	74,991	39,323	2	3	12,043	6,466	1	1	(³)	(³)
Massachusetts	5	7	44,052	30,442	4	5	7,024	3,837	1	2	(³)	(³)
Rhode Island		3	4,744	2,513		2	1,599	802				
Connecticut	3	6	47,355	33,978	2	4	7,998	4,014				
New England	15		233,350	141,660	12		41,076	21,954	3			
New York	127	130	218,403	180,940	131	132	60,230	42,266	5	6	4,557	325
New Jersey	7	8	33,857	22,711	12	13	19,408	11,440	1	1	(³)	(³)
Pennsylvania	22	26	197,972	116,227	25	26	83,736	46,289		2	2,951	1,286
Middle Atlantic	156		450,232	319,878	168		163,374	99,995	6		7,508	1,611
Ohio	149	151	145,907	100,872	150	151	168,309	94,476	7	8	3,995	1,315
Indiana	86	89	134,833	91,392	87	90	268,469	133,537	3	5	4,772	2,458
Illinois	220	223	171,634	141,641	165	167	470,872	240,768	12	13	2,715	655
Michigan	70	75	58,860	48,630	72	76	75,000	45,321	12	14	8,015	5,028
Wisconsin	194	200	222,764	165,536	188	192	204,712	116,757	73	75	27,252	18,612
East North Central	719		733,998	548,071	662		1,187,362	630,859	107		46,749	28,068
Minnesota	426	428	319,316	189,556	453	456	636,369	223,884	139	139	26,714	16,279
Iowa	326	331	515,391	305,046	322	328	475,719	277,210	17	19	3,069	1,505
Missouri	108	112	254,439	166,501	106	110	283,031	163,192	66	67	23,515	18,469
North Dakota	256	260	29,431	19,114	301	306	118,410	61,297	23	24	3,582	2,927
South Dakota	169	175	99,376	66,383	163	167	85,208	45,588	8	9	358	358
Nebraska	240	245	203,759	96,947	229	232	246,357	136,545	16	18	20,797	20,769
Kansas	217	220	347,752	184,757	215	217	217,564	126,721	20	20	8,004	8,004
West North Central	1,742		1,769,464	1,028,304	1,789		2,062,658	1,034,437	289		86,039	68,311

Table 8—Cooperative business volume by commodity, geographic region, and State, 1979¹—Continued

Geographic region and State	Petroleum products						Seed						Miscellaneous supplies ⁸					
	Cooperatives handling ²			Value of sales			Cooperatives handling ²			Value of sales			Cooperatives handling ²			Value of sales		
	Head- quarters in State	Total operating in State	No.	Gross— includes interco-op business	Net— excludes interco-op business	dol.	Head- quarters in State	Total operating in State	No.	Gross— includes interco-op business	Net— excludes interco-op business	dol.	Head- quarters in State	Total operating in State	No.	Gross— includes interco-op business	Net— excludes interco-op business	dol.
Maine.....	3	5		32,628	18,952		3	4		2,070	1,172		4	6		11,578	7,597	
New Hampshire.....	1	3		27,593	12,531			3		1,212	672		1	4		5,274	3,076	
Vermont.....	1	3		39,367	18,843		2	4		4,093	2,298		2	4		17,632	10,304	
Massachusetts.....	3	5		39,542	18,937		5	6		3,514	2,244		5	7		15,725	9,486	
Rhode Island.....	2	2		11,434	5,972			3		415	235			3		1,795	1,062	
Connecticut.....	2	4		13,230	6,363		2	5		2,053	1,154		3	6		9,408	5,744	
New England.....	10			163,794	81,598		12			13,357	7,775		15			61,412	37,269	
New York.....	121	122		575,703	275,875		129	132		15,726	11,906		143	144		101,265	63,583	
New Jersey.....	6	7		115,519	51,139		10	12		4,335	2,719		10	12		18,624	12,029	
Pennsylvania.....	20	24		381,934	201,972		28	31		18,293	10,860		36	43		81,536	44,154	
Middle Atlantic.....	147			1,073,156	528,986		167			38,354	25,485		189			201,425	119,766	
Ohio.....	94	95		163,640	114,153		148	149		37,931	24,200		155	158		60,856	36,918	
Indiana.....	75	78		277,833	194,982		87	88		13,804	10,737		87	94		37,858	19,231	
Illinois.....	114	117		269,448	247,350		204	205		35,878	35,616		214	218		40,837	27,589	
Michigan.....	59	62		84,236	57,846		69	71		10,577	8,482		90	96		41,562	29,833	
Wisconsin.....	198	203		455,136	259,925		184	188		17,738	13,566		265	269		114,723	76,061	
East North Central.....	540			1,250,293	874,256		692			115,928	92,601		811			295,836	189,614	
Minnesota.....	276	278		620,783	349,036		407	408		31,497	24,363		538	540		138,846	79,394	
Iowa.....	247	252		644,084	358,730		317	320		39,744	30,108		348	355		62,715	44,983	
Missouri.....	96	99		264,780	165,697		105	107		35,874	28,983		108	113		32,272	22,050	
North Dakota.....	168	173		252,629	132,038		260	264		10,644	8,825		359	364		64,596	41,669	
South Dakota.....	136	141		283,893	145,117		162	165		6,657	5,535		224	228		48,389	34,087	
Nebraska.....	192	197		382,169	207,482		123	125		6,614	3,745		260	266		60,772	42,360	
Kansas.....	207	209		489,297	186,862		191	195		10,717	8,761		221	224		77,331	54,797	
West North Central.....	1,322			2,937,635	1,544,962		1,565			141,747	110,320		2,058			484,921	319,340	

Delaware.....	4	6	13,791	9,476	4	7	2,660	1,801	4	8	6,954	5,906
Maryland.....	23	24	56,284	39,743	23	25	9,611	6,651	25	27	23,781	21,108
Virginia.....	49	52	79,691	54,739	56	56	15,253	11,521	58	61	66,533	44,367
West Virginia.....	20	20	20,277	13,805	21	22	3,328	2,311	24	29	8,080	7,608
North Carolina.....	2	4	27,420	26,541	8	8	8,629	8,629	5	7	36,874	22,143
South Carolina.....	2	2	7,538	7,538	11	13	4,559	3,929	13	16	10,087	7,716
Georgia.....	76	79	6,331	4,859	81	81	17,658	11,515	82	84	44,126	13,399
Florida.....	14	17	5,316	5,046	20	22	3,309	2,539	23	25	8,318	4,976
South Atlantic.....	188		216,648	161,747	224		65,007	48,896	234		204,753	127,223
Kentucky.....	48	49	66,858	46,002	51	52	12,983	9,704	51	55	27,203	25,681
Tennessee.....	83	86	63,450	38,207	86	87	28,776	16,919	87	89	69,581	36,076
Alabama.....	56	62	14,738	13,646	87	90	27,599	15,834	88	93	32,458	12,006
Mississippi.....	52	56	22,733	16,916	73	76	27,345	17,455	74	76	24,428	15,016
East South Central.....	239		167,779	114,771	297		96,703	59,912	300		153,670	88,779
Arkansas.....	49	51	62,349	40,716	63	67	17,442	10,216	61	64	37,742	23,641
Louisiana.....	24	27	8,307	5,071	41	48	21,312	13,652	42	47	20,336	14,854
Oklahoma.....	103	105	129,811	45,810	120	123	7,090	6,387	128	130	25,827	18,422
Texas.....	160	162	107,975	58,019	309	312	27,985	25,983	253	255	93,833	89,562
West South Central.....	336		308,442	149,616	533		73,829	56,238	484		177,738	146,479
Montana.....	85	87	117,264	65,924	51	53	3,056	2,205	105	107	37,739	27,550
Idaho.....	25	27	67,618	37,073	26	29	4,574	4,149	30	33	18,043	12,948
Wyoming.....	11	11	12,687	12,687	7	7	402	402	11	11	2,812	2,812
Colorado.....	45	46	116,596	66,321	51	52	3,552	2,394	62	64	24,845	18,392
New Mexico.....	4	4	528	528	7	8	268	268	12	12	738	738
Arizona.....	2	3	189	187	9	9	1,273	1,211	4	6	11,175	6,757
Utah.....	9	11	15,191	4,896	8	9	2,009	1,690	12	14	13,999	8,277
Nevada.....					1	1	(¹)	(²)	1	1	(³)	(³)
Mountain.....	181		330,073	187,616	160		15,134	12,319	237		109,351	77,474
Washington.....	53	55	118,329	87,302	47	49	12,536	12,111	82	85	39,456	24,643
Oregon.....	24	27	86,532	55,968	28	31	8,514	8,089	38	42	30,822	25,410
California.....	18	20	21,831	1,189	75	76	22,609	22,290	59	61	31,525	20,946
Pacific.....	95		226,692	144,459	150		43,659	42,490	179		101,803	70,999
Subtotal.....	3,058		6,674,512	3,788,011	3,800		603,837	456,155	4,507		1,791,599	1,176,633
Alaska.....					1	1	(³)	(³)	1	1	(³)	(³)
Hawaii.....	4	4	153	117	4	4	46	44	9	9	590	573
Foreign.....		1	195,091	39,018								
United States.....	3,062		6,869,756	3,827,146	3,805		603,883	456,199	4,517		1,792,189	1,178,206

See end of table for footnote references.

Table 8 — Cooperative business volume by commodity, geographic region, and State, 1979¹ — Continued

Geographic region and State	Total supplies				Services				Total			
	Cooperatives handling ²				Cooperatives handling ²				Number of cooperatives			
	Value of sales				Receipts ⁹				Volume			
	Head- quarters in State	Total operating in State	Gross — interco-op business	Net — excludes interco-op business	Head- quarters in State	Total operating in State	Receipts ⁹ in State	Head- quarters in State	Total operating in State	Gross — interco-op business	Net — excludes interco-op business	
	No.	No.	1,000 dol.	1,000 dol.	No.	No.	1,000 dol.	No.	No.	1,000 dol.	1,000 dol.	
Maine	6	9	107,195	66,094	4	6	2,471	11	17	134,428	91,812	
New Hampshire	1	4	68,886	35,453	1	3	604	4	12	100,117	64,412	
Vermont	4	6	167,010	89,140	4	5	1,803	9	16	393,357	305,639	
Massachusetts	6	8	126,368	75,786	3	4	1,100	14	20	270,501	213,480	
Rhode Island	3	3	21,863	11,760	1	3	752	1	6	35,673	24,813	
Connecticut	3	6	89,372	57,089	2	3	973	5	14	154,037	114,557	
New England	20		580,694	335,322	15		7,703	44		1,088,113	814,713	
New York	155	160	1,055,335	629,322	143	147	20,300	241	255	2,197,464	1,636,051	
New Jersey	18	21	215,607	117,622	18	21	2,718	26	36	333,500	234,390	
Pennsylvania	46	56	851,976	474,813	44	49	10,572	89	109	1,821,085	1,363,682	
Middle Atlantic	219		2,122,918	1,221,757	205		33,590	356		4,352,049	3,234,123	
Ohio	169	174	687,330	442,469	160	164	34,534	186	208	2,971,069	1,998,986	
Indiana	92	102	888,110	544,831	92	100	24,792	98	125	2,904,785	2,028,343	
Illinois	263	269	1,148,074	836,636	232	238	66,804	292	314	5,177,873	3,784,556	
Michigan	101	109	338,002	240,342	88	97	20,346	124	141	1,701,919	1,393,877	
Wisconsin	281	291	1,148,878	713,196	246	255	42,467	410	435	3,858,535	3,082,243	
East North Central	906		4,210,394	2,777,474	818		188,943	1,110		16,614,181	12,288,005	
Minnesota	576	581	1,996,909	1,026,115	505	512	64,885	741	766	6,567,494	4,293,089	
Iowa	373	385	2,076,914	1,241,987	358	367	85,105	387	418	7,085,438	4,852,386	
Missouri	113	127	1,022,503	647,567	38	47	7,194	129	161	3,296,919	2,017,275	
North Dakota	398	404	566,860	332,166	362	369	23,389	431	447	2,189,407	1,427,767	
South Dakota	237	244	585,880	338,656	208	212	16,999	244	260	1,221,410	786,460	
Nebraska	281	290	1,060,307	579,938	268	275	57,379	290	314	3,212,961	2,499,708	
Kansas	240	246	1,291,371	638,486	235	240	68,957	246	269	3,688,503	2,316,450	
West North Central	2,218		8,600,744	4,804,915	1,974		323,908	2,468		27,262,132	18,193,135	

Delaware.....	5	9	60,800	41,879	5	9	830	5	14	85,785	65,780
Maryland.....	26	29	271,470	214,911	27	32	3,359	31	45	565,704	479,830
Virginia.....	64	69	473,055	291,538	68	73	6,697	110	125	946,168	749,366
West Virginia.....	33	41	73,093	55,245	31	38	1,124	57	72	134,504	115,277
North Carolina.....	12	16	220,469	187,966	15	17	5,537	34	51	637,133	593,096
South Carolina.....	15	19	68,614	59,076	15	19	2,818	21	38	232,934	218,867
Georgia.....	84	89	367,515	217,158	81	83	2,200	93	108	1,327,880	1,161,252
Florida.....	45	51	313,199	137,478	48	51	45,393	80	98	2,187,475	1,370,509
South Atlantic	284		1,848,215	1,205,251	290		67,958	431		6,117,583	4,753,977
Kentucky.....	52	58	233,359	175,876	55	64	5,683	73	87	607,288	540,532
Tennessee.....	88	96	514,866	277,657	87	95	5,430	102	123	888,171	634,308
Alabama.....	94	103	390,115	221,169	78	80	6,364	114	133	995,606	808,074
Mississippi.....	101	109	381,515	252,356	96	98	15,012	127	145	1,018,102	813,357
East South Central	335		1,519,855	927,058	316		32,489	416		3,509,167	2,796,271
Arkansas.....	83	96	389,711	224,510	77	83	29,038	120	147	1,161,751	965,595
Louisiana.....	56	66	270,873	116,528	44	48	8,307	92	110	733,657	567,175
Oklahoma.....	138	146	392,472	188,752	139	145	37,173	146	163	1,679,124	1,153,975
Texas.....	376	383	534,890	371,119	366	369	128,788	411	431	2,995,247	2,354,832
West South Central	653		1,587,946	900,909	626		203,306	769		6,569,779	5,041,577
Montana.....	114	117	237,841	141,793	95	100	6,314	143	157	670,235	376,502
Idaho.....	39	44	148,170	96,526	26	33	7,415	62	82	615,169	509,787
Wyoming.....	14	16	26,299	26,018	14	15	1,189	23	34	60,587	55,599
Colorado.....	68	71	312,981	176,235	66	71	11,230	84	98	956,377	708,309
New Mexico.....	19	21	6,921	6,519	20	24	4,739	23	32	58,496	47,700
Arizona.....	10	15	51,735	40,789	8	11	7,788	21	36	599,003	488,404
Utah.....	16	19	100,205	61,781	11	13	7,194	33	42	411,098	328,305
Nevada.....	2	2	(³)	(³)	2	3	299	4	13	18,656	18,656
Mountain	282		884,152	549,661	242		46,168	393		3,389,621	2,533,262
Washington.....	107	112	375,944	270,322	92	94	49,292	129	145	1,877,784	1,367,071
Oregon.....	45	52	260,083	189,230	41	43	23,591	60	75	850,152	720,706
California.....	127	130	466,319	287,747	131	133	75,346	245	256	5,282,594	4,260,930
Pacific	279		1,102,346	747,299	264		148,229	434		8,026,530	6,348,707
Subtotal.....	5,196		22,459,833	13,472,215	4,750		1,052,294	6,421		76,929,155	56,003,770
Alaska.....	1	1	(³)	(³)	1	1	(³)	1	1	(³)	(³)
Hawaii.....	15	15	12,280	8,960	13	13	1,238	23	25	38,143	29,523
Foreign.....	3	3	197,705	40,314		1	27		12	424,889	235,104
United States	5,212		22,669,818	13,521,489	4,764		1,053,559	6,445		77,392,187	56,268,397

See next page for footnote references.

Footnotes to table 8.

¹Data covering operations of cooperatives whose business years ended during the 1979 calendar year. Includes independent local cooperatives, federations, centralized cooperatives, and cooperatives with mixed organizational structures. The volume of products marketed is allocated to the State in which they originate and the volume of farm supplies is allocated to the State in which they are sold; service volume is allocated to the State of origin when services relate to farm products marketed or to the State of destination when related to farm supplies sold.

²Number of cooperatives handling a commodity includes those performing specific services on the commodity, such as cotton ginning cooperatives, livestock trucking cooperatives, and rice- and fruit-drying cooperatives. (Income for these specific services is included with service receipts.)

³Dollar volume by commodity is not shown to avoid disclosing operations of individual cooperatives. The dollar volume for this State is included in the subtotal for this commodity.

⁴Includes value of farm products imported, farm supplies exported, services related to imported farm products or exported farm supplies, sales to domestic military installations, or sales of farm products not received directly from member-patrons.

⁵Included in the dollar volume of California. One sugar cooperative headquartered in California operates in Hawaii.

⁶Includes forest products, hays, hops, nursery stock, coffee, and other farm products not separately classified. Also includes manufactured food products and resale items marketed by cooperatives.

⁷Dollar volume is not shown to avoid disclosing operations of individual cooperatives. The dollar volume for this State is included in the State total for California.

⁸Includes automotive supplies, hardware, chicks, and other supplies not separately classified.

⁹Receipts for services related to marketing and purchasing activities but not included in the volumes reported for these activities.

¹⁰Because many cooperatives do more than one type of business, these totals are less than the number that would be obtained by adding the number of cooperatives marketing individual products, handling individual supplies, or providing individual services. Inactive cooperatives are not included.

Other Service Organizations

Other types of service cooperatives or organizations were operating in 1980 besides those directly related to marketing and farm supply purchasing. Additional statistical data are shown in table 9.

Federal Land Bank Associations

Federal land bank associations totaled 491 and operated throughout the United States and the associated Commonwealth of Puerto Rico with nearly 594,000 memberships. The associations made loans of nearly \$10.3 billion to farm members.

Texas led all States, with 12.4 percent of the total number of associations and 6.3 percent of total members. Iowa ranked first with 7.8 percent of total loans made, and California second with 6.9 percent.

The West North Central region accounted for 17.9 percent of total associations, 26.4 percent of total members, and for 29.7 percent of total loans.

Production Credit Associations

Production credit associations, totaling 424, made loans of nearly \$33 billion to 519,600 stockholders.

Texas was the leader again with 7.1 percent of total associations. North Carolina led in number of stockholders with 7.6 percent of the total, while California again led in loans made with 9.4 percent.

The East North Central region accounted for 21.9 percent of association stockholders.

The 14.5 percent of the total number of associations situated in the West North Central region made 28.8 percent of total loans.

Banks for Cooperatives

Thirteen banks for cooperatives made loans of nearly \$24.7 billion to 3,187 agriculturally oriented member cooperatives.

Nearly 42 percent of total members were situated in the West North Central region, which also accounted for 36 percent of all loans made. Minnesota was the leader with 322 members and nearly \$2.5 billion in loans made.

Rural Credit Unions

Rural credit unions numbered 981, with 2,450,831 members holding share savings of more than \$3.3 billion in 1981.

California led all States in number of associations with 9.9 percent of the total, in members with 23.9 percent of the total, and in share savings with 27.0 percent of the total.

Table 9—Number, participation, and level of activity of service organizations, by geographic region and State

Geographic region and State	Federal land banks ¹ (For year ended December 31, 1980)			Production credit associations ¹ (For year ended December 31, 1980)			Banks for cooperatives ¹ (For year ended December 31, 1980)		
	Cooperatives	Members	Loans made during year	Cooperatives	Stockholders	Loans made during year	Members	Loans made during year	
	No.	No.	1,000 dol.	No.	No.	1,000 dol.	No.	1,000 dol.	
Maine.....	2	752	6,880	2	1,273 (²)	44,683	4	5,293	
New Hampshire.....									
Vermont.....	2	1,743	16,192	2	2,047	51,210	5	10,099	
Massachusetts.....							8	278,837	
Rhode Island.....									
Connecticut.....	1	2,364	26,789	1	2,378	104,365			
New England.....	5	4,859	49,861	5	5,698	200,258	17	294,229	
New York.....	12	10,760	90,359	12	14,579	251,198	105	414,585	
New Jersey.....	3	1,827	24,544	3	1,445	47,173	4	674	
Pennsylvania.....	9	9,362	157,735	9	15,563	284,374	24	98,671	
Middle Atlantic.....	24	21,949	272,638	24	31,587	582,745	133	513,930	
Ohio.....	19	15,179	260,400	11	38,527	1,189,569	119	751,008	
Indiana.....	24	21,691	384,516	10	26,480	1,358,516	86	1,072,132	
Illinois.....	17	26,307	534,184	17	15,446	1,112,284	181	1,103,349	
Michigan.....	11	19,910	337,582	8	10,798	597,370	48	214,470	
Wisconsin.....	13	14,714	485,229	17	22,728	1,470,442	130	247,650	
East North Central.....	84	97,801	2,002,011	63	113,979	5,728,181	564	3,388,609	
Minnesota.....	17	28,648	679,616	16	14,259	1,774,663	322	2,461,842	
Iowa.....	19	34,042	797,588	16	12,117	2,431,249	293	1,894,185	
Missouri.....	12	20,383	212,141	12	20,121	828,077	55	1,017,200	
North Dakota.....	9	12,413	339,256	5	10,704	921,688	196	631,766	
South Dakota.....	7	13,908	153,310	9	5,124	686,688	72	65,279	
Nebraska.....	8	19,759	421,538	14	8,478	1,548,320	178	449,776	
Kansas.....	16	27,334	455,457	13	4,701	1,213,983	218	2,365,072	
West North Central.....	88	156,487	3,058,906	85	75,501	9,404,668	1,334	8,885,120	

Delaware.....	1	932	13,182	1	1,492	41,016	2	1,413
Maryland.....	5	4,069	55,712	5	5,332	86,819	16	14,692
Virginia.....	8	12,408	148,023	8	12,365	142,351	40	293,743
West Virginia.....	2	2,181	19,825	2	2,561	17,438	10	2,588
North Carolina.....	15	34,104	282,015	17	39,561	539,190	12	105,669
South Carolina.....	9	15,844	148,228	11	14,364	264,696	4	1,563
Georgia.....	15	25,959	293,782	21	15,893	667,184	11	831,132
Florida.....	7	9,772	247,185	9	7,061	399,751	37	361,456
South Atlantic	62	105,269	1,207,952	74	98,629	2,158,445	132	1,612,118
Kentucky.....	10	11,746	199,447	9	33,355	851,030	44	374,044
Tennessee.....	12	15,278	170,129	9	35,563	747,899	79	192,918
Alabama.....	12	14,562	175,058	8	9,155	333,304	22	90,725
Mississippi.....	12	11,003	248,551	10	13,028	488,768	54	327,341
East South Central	46	52,589	793,185	36	91,101	2,421,001	199	985,028
Arkansas.....	11	9,843	143,418	14	12,668	758,637	53	659,482
Louisiana.....	9	9,680	260,644	7	10,352	436,947	49	3,406,412
Oklahoma.....	12	17,623	324,470	14	7,905	864,083	104	412,451
Texas.....	61	37,567	322,309	30	20,403	2,007,254	166	1,382,265
West South Central	93	74,713	1,050,841	65	51,328	4,066,921	372	5,860,610
Montana.....	10	8,650	143,057	11	6,872	637,313	66	56,887
Idaho.....	11	11,358	88,451	5	6,116	750,560	26	49,801
Wyoming.....	1	2,560	41,055	1	722	190,126	5	2,715
Colorado.....	12	12,067	324,094	8	4,213	1,122,172	68	163,507
New Mexico.....	4	2,576	66,266	4	1,264	201,843	17	22,521
Arizona.....	1	691	42,516	2	1,047	358,331	10	25,299
Utah.....	3	2,907	63,664	2	1,916	326,259	13	57,321
Nevada.....	1	548	16,235	1	439	76,375	1	47
Mountain	43	41,357	785,336	34	22,589	3,662,979	206	378,098
Washington.....	9	9,575	153,781	6	4,622	640,073	85	541,803
Oregon.....	10	7,552	172,393	8	6,554	682,018	35	343,931
California.....	25	18,000	706,319	22	16,405	3,078,841	103	1,854,761
Pacific	44	35,127	1,032,493	36	27,581	4,400,932	223	2,740,495
Subtotal.....	489	590,151	10,253,223	422	517,993	32,626,130	3,180	24,658,237
Alaska.....	(2)	189	921				3	13,673
Hawaii.....	1	336	8,158	1	305	28,651	1	1,700
Puerto Rico.....	1	2,958	20,006	1	1,302	19,418	3	1,681
Grand Total	491	593,634	10,282,308	424	519,600	32,674,199	3,187	24,675,291

See end of table for footnote references.

Table 9—Number, participation, and level of activity of service organizations, by geographic region and State—Continued

Geographic region and State	Rural credit unions ⁴ (For year ended December 31, 1981)			Rural electric cooperatives ⁵ (For year ended December 31, 1980)			Rural telephone cooperatives ⁵ (For year ended December 31, 1980)		
	Cooperatives	Members	Share/ savings	Cooperatives	Members (consumers)	Revenue	Cooperatives	Members (subscribers)	Revenue
	No.	No.	1,000 dol.	No.	No.	1,000 dol.	No.	No.	1,000 dol.
Maine.....	16	19,263	13,961	4	12,097	5,488			
New Hampshire.....	3	1,377	511	1	43,804	23,355			
Vermont.....	14	11,487	8,129	2	15,567	8,724			
Massachusetts.....	10	10,657	8,440						
Rhode Island.....	3	18,103	59,685						
Connecticut.....	3	3,935	3,005						
New England	49	64,822	93,731	7	71,468	37,567			
New York.....	32	85,569	94,284	4	10,293	3,515			
New Jersey.....	10	11,273	6,614	1	7,570	4,496			
Pennsylvania.....	26	29,172	32,912	13	149,571	128,974			
Middle Atlantic	68	126,014	133,810	18	167,434	136,985			
Ohio.....	18	36,607	21,037	28	224,009	306,830	6	5,546	1,163
Indiana.....	21	27,688	80,997	43	306,206	268,423	9	21,705	6,442
Illinois.....	20	42,520	38,718	30	202,509	205,501	7	22,672	6,901
Michigan.....	36	297,651	240,488	15	178,186	120,248			
Wisconsin.....	88	307,320	448,929	30	158,098	220,539	11	30,108	8,963
East North Central	183	711,786	830,169	146	1,069,008	1,121,541	33	80,031	23,469
Minnesota.....	49	108,363	137,349	50	404,975	460,958	19	57,535	17,622
Iowa.....	23	11,376	8,832	52	170,838	229,509	36	49,048	13,197
Missouri.....	8	13,088	12,614	47	405,920	585,186	8	43,495	13,236
North Dakota.....	48	80,797	162,804	25	89,998	309,570	10	51,318	21,317
South Dakota.....	19	9,734	10,453	34	101,844	119,169	14	36,715	12,708
Nebraska.....				4	10,977	76,710	7	11,749	4,199
Kansas.....	42	82,284	150,901	36	139,932	164,513	11	48,533	19,009
West North Central	189	305,642	482,953	248	1,324,484	1,945,615	105	298,393	101,288

Delaware.....	1	2,306	1	30,068	16,707				
Maryland.....	10	29,526	2	85,757	75,498				
Virginia.....	12	17,542	14	223,185	187,818	5	11,394	2,997	
West Virginia.....	3	2,826	1	4,008	1,727	2	1,997	461	
North Carolina.....	29	32,251	29	434,287	256,443	9	71,439	15,571	
South Carolina.....	7	11,220	22	307,678	258,916	6	73,814	25,165	
Georgia.....	20	20,231	42	621,893	610,674	4	18,738	5,179	
Florida.....	24	59,364	16	381,521	309,743				
South Atlantic	106	174,713	127	2,088,417	1,719,728	26	117,382	49,373	
Kentucky.....	8	11,313	28	428,477	702,354	8	66,495	15,738	
Tennessee.....	12	10,516	20	495,058	378,690	7	77,965	20,749	
Alabama.....	14	16,410	22	291,282	282,682	3	17,419	4,535	
Mississippi.....	12	5,126	23	1,573	388,816				
East South Central	46	43,365	93	1,603,633	1,772,337	18	161,879	41,022	
Arkansas.....	5	2,845	20	265,815	373,851	2	5,548	1,761	
Louisiana.....	14	14,176	14	261,160	328,240				
Oklahoma.....	8	7,008	27	284,597	300,143	2	28,057	14,576	
Texas.....	39	43,099	78	792,823	653,643	21	75,124	36,359	
West South Central	66	67,128	139	1,604,395	1,655,877	25	108,729	52,696	
Montana.....	30	50,225	25	84,454	51,815	10	32,871	20,970	
Idaho.....	17	12,680	9	38,804	20,878	3	7,885	2,731	
Wyoming.....	7	5,058	14	60,787	78,049	1	849	450	
Colorado.....	22	24,123	24	230,760	359,766	7	11,927	5,781	
New Mexico.....	6	24,784	17	112,215	133,516	5	8,093	4,292	
Arizona.....	12	16,249	7	66,219	189,976	1	2,212	2,099	
Utah.....	12	7,955	5	17,686	33,439	3	6,354	2,653	
Nevada.....	7	21,309	3	11,533	8,766				
Mountain	113	162,383	104	622,458	876,205	30	70,191	38,976	
Washington.....	20	91,072	9	48,154	28,812				
Oregon.....	20	36,206	14	88,746	58,884	9	29,306	13,483	
California.....	97	585,553	3	9,987	5,271				
Pacific	137	712,831	26	146,887	93,417	9	29,306	13,483	
Subtotal.....	957	2,368,684	908	8,698,184	9,359,272	246	925,911	320,307	
Alaska.....	2	10,330		101,536	113,898	6	14,958	12,829	
Hawaii.....	22	71,817	13						
Puerto Rico									
Grand total	981	2,450,831	921	8,799,720	9,473,170	252	940,869	333,136	

See end of table for footnote references.

Table 9—Number, participation, and level of activity of service organizations, by geographic region and State

Geographic region and State	Dairy herd improvement ⁶ (For year ended June 30, 1980)			Dairy herd improvement ⁶ (For year ended June 30, 1980)			Dairy herd improvement ⁶ (For year ended June 30, 1980)		
	Co-ops ⁷	Members (herds)	Cows tested	Co-ops ⁷	Members (herds)	Cows tested	Co-ops ⁷	Members (herds)	Cows tested
Maine.....	12	430	23,566	.....	.....	.....	.....	.....	.....
New Hampshire.....	8	223	13,323	.....	1	51	.....	16	345
Vermont.....	22	1,062	60,892	.....	11	650	.....	4	41
Massachusetts.....	7	336	19,348	.....	36	943	.....	79	1,448
Rhode Island.....	3	27	1,400	.....	8	184	.....	23	694
Connecticut.....	6	315	23,728	.....	22	653	.....	11	396
New England.....	58	2,393	142,257	.....	10	222	.....	28	1,258
New York.....	48	3,376	226,856	.....	30	332	.....	62	2,348
New Jersey.....	5	199	14,730	.....	9	65	.....	1,062	39,338
Pennsylvania.....	60	3,824	217,735	.....	127	3,100	.....	1	59
Middle Atlantic.....	113	7,399	459,321	.....	34	555	.....	1	10
Ohio.....	15	1,760	108,731	.....	34	690	.....	1	172
Indiana.....	46	960	57,226	.....	19	218	.....	1,065	39,521
Illinois.....	44	1,203	69,174	.....	22	283	.....	.....	.....
Michigan.....	1	1,527	116,413	.....	109	1,746	.....	.....	.....
Wisconsin.....	28	5,754	319,692	.....	32	190	.....	.....	.....
East North Central.....	134	11,204	671,236	.....	13	309	.....	.....	.....
Minnesota.....	73	4,233	214,802	.....	18	373	.....	.....	.....
Iowa.....	54	1,513	74,962	.....	36	595	.....	.....	.....
Missouri.....	42	828	55,484	.....	99	1,467	.....	.....	.....
North Dakota.....	12	179	10,613	.....	7	108	.....	.....	.....
South Dakota.....	17	248	14,963	.....	27	511	.....	.....	.....
Nebraska.....	29	479	32,254	.....	8	29	.....	.....	.....
Kansas.....	45	753	50,182	.....	12	239	.....	.....	.....
West North Central.....	281	8,233	453,263	.....	4	54	.....	.....	.....
.....	.....	.....	.....	.....	1	121	.....	.....	.....
Delaware.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Maryland.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Virginia.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
West Virginia.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
North Carolina.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
South Carolina.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Georgia.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Florida.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
South Atlantic.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Kentucky.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Tennessee.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Alabama.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Mississippi.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
East South Central.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Arkansas.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Louisiana.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Oklahoma.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Texas.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
West South Central.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Montana.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Idaho.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Wyoming.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Colorado.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
New Mexico.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Arizona.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Utah.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Nevada.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Mountain.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Washington.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Oregon.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
California.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Pacific.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Subtotal.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Alaska.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hawaii.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Puerto Rico.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Grand total.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

¹Farm Credit Administration.²Listed by location of cooperative headquarters.³Served by PCA in Connecticut.⁴Credit Union National Association, Inc. (Includes Federally chartered and State chartered credit unions.)⁵Rural Electrification Administration, USDA.⁶Agricultural Research Service, USDA.⁷Official DHI (includes Dairy Herd Improvement Registry).

Rural Electric Cooperatives

Rural electric cooperatives, totaling 921, reported 8.8 million consumer members and revenue of nearly \$9.5 billion.

With 8.5 percent of total associations, and 9.0 percent of total consumer memberships, Texas again led all States. However, Kentucky was again the leader in revenue with 7.4 percent of the total.

Nearly 27 percent of the cooperatives were in the West North Central region, which also accounted for 20.5 percent of the total revenue. Consumer memberships were highest in the South Atlantic region (23.7 percent of total).

Rural Telephone Cooperatives

Rural telephone cooperatives, totaling 252, with revenues of more than \$333 million, had 940,869 subscriber members. These cooperatives were all financed by the Rural Electrification Administration (REA).

The West North Central region again accounted for more cooperatives (41.7 percent), subscriber members (31.7 percent), and revenue (30.4 percent) than any other region.

Iowa had 14.3 percent of total cooperatives, Tennessee had 8.3 percent of total subscriber memberships, and Texas accounted for 10.9 percent of total revenue.

Dairy Herd Improvement Associations

Dairy herd improvement associations totaled 1,065. Memberships numbered 39,521, and cows tested totaled nearly 3.2 million.

More than 28 percent of the participants were in the East North Central region, while the West North Central region accounted for more than 28 percent of the total number of associations.

Minnesota had 6.9 percent of the total associations. New York, Pennsylvania, Minnesota, and Wisconsin combined accounted for 43.5 percent of total members or herds. More than 14 percent of the cows tested were in California.

U.S. Department of Agriculture Agricultural Cooperative Service

Agricultural Cooperative Service provides research, management, and educational assistance to cooperatives to strengthen the economic position of farmers and other rural residents. It works directly with cooperative leaders and Federal and State agencies to improve organization, leadership, and operation of cooperatives and to give guidance to further development.

The agency (1) helps farmers and other rural residents obtain supplies and services at lower costs and to get better prices for products they sell; (2) advises rural residents on developing existing resources through cooperative action to enhance rural living; (3) helps cooperatives improve services and operating efficiency; (4) informs members, directors, employees, and the public on how cooperatives work and benefit their members and their communities; and (5) encourages international cooperative programs.

The agency publishes research and educational materials, and issues *Farmer Cooperatives*. All programs and activities are conducted on a nondiscriminatory basis, without regard to race, creed, color, sex, or national origin.